A2500-2 12/7/82

Paper
Paperboard
& Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 60 - No. 11 November, 1982

Paper and Paperboard Production Continues Modest Recovery

Paper and paperboard production in October continued the gentle uptrend that it has been following since mid-year. The October trend position (the September-October average of the seasonally adjusted data) was 60.9 million tons per year, about 0.3% above the September trend level and 5.8% above the low reached in the May-June period. Moreover, the October trend position was only 1.1% below the 1982 peak reached in March.

The production of paper and paperboard followed similar trends. The trend position of paper production in October, at 31 million tons per year, matched its March 1982 high, and was 7.1% above its June low. Paperboard production made its low for this cycle in July. Its October level marked a gain of 6.6% from the July low but was still 2.3% below the March 1982 high.

Since mid-year, the trend of paper and paperboard production has generally been somewhat stronger than that of total economic activity. For example, the Department of Commerce reported that the real Gross National Product in the third quarter of 1982 was unchanged from the second quarter level. Further, the third quarter final sales figure (GNP less inventory change) was 0.45% (1.8% per year) below the second quarter level. At the same time, manufacturing production, which generally measures the market for paperboard, was 0.2% below its second quarter level in the third quarter of 1982. Production of manufactured goods in October 1982 was 1.0% below its September level and 3.6% below its February 1982 peak.

These trends are summarized on the table on page 10, which shows the monthly trend of paper and paperboard production, the index of manufacturing production through October 1982 and the quarterly averages of the real Gross National Product for the first three quarters of 1982.

Preliminary Estimates of 1982 Production

On the assumption that production follows its current trend during the remainder of the year, the total would be 59.7 million

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Continued from Page 1

tons, 4.1% below the 62.3 million tons produced in 1981 and 2.4% below the 1980 total. Paper production is pointing to a 30.3 million ton total, only 2.3% below its 1981 level and slightly above 30.2 million tons produced in 1980. Paperboard production, on this assumption, would be 29.3 million tons, 6% below its 1981 level and 5% below the total produced in 1980.

Paper and Paperboard Production by Grade

The table on page 3 shows the detail of production of paper and paperboard by grade, for 1980, 1981, the four months ending October 1982 as well as the year-to-date rate for 1982. The table shows that newsprint production rose in October, bringing the ten month rate to 5.1 million tons per year. During the third quarter of 1982 the seasonally adjusted rate of newsprint consumption averaged about 11 million tons per year, just about matching the 1980 and 1981 rates. Newspaper publishers reduced their inventories from 62 days of supply at the end of June 1982 to 48 days of supply at the end of September. This brought inventories in terms of days of supply below the year-ago level and compares to the 40 days of supply held at the end of September 1980. These trends suggest that U.S. newsprint production in 1982 will probably be about 3% under the record high reached in 1981.

Printing and writing paper grades is showing the strongest production trends in the industry. The October production level marked the second highest monthly total in 1982, pointing to a 1982 total of about 15.7 million tons produced,about the same as in 1981. Among the printing/writing paper grades, the strongest trend continues in coated papers, where production for the ten months of 1982 was 1.3% over its year-ago level. If the present trend in production continues, the 1982 total would move above 5 million tons, some 2% over the previous high of 4.9 million tons established in 1981. The demand for coated paper in 1982 has been largely supported by a strong demand for the publication and similar grades.

Production of the uncoated groundwood papers has shown strength in recent months, with the October level marking a high for a year. Should this trend continue, the 1982 production total will probably match the 1.46 million tons produced in 1981. The strength in demand for uncoated groundwood paper is also reflected in the trend of imports: in the first nine months of 1982 these imports were at an annual rate of 484,000 tons, 9% above the corresponding 1981 total. Exports, by the way of contrast, were down sharply, with the nine months rate averaging 64,000 tons per year. On this basis imports of uncoated groundwood papers accounted for about 26% of the total new supply.

The production of bleached bristols on the other hand has been relatively weak this year. For 1982 as a whole, production will probably amount to 870,000 tons, some 10% below its 1981 total. The weakness in demand is spread throughout the major grades, including in particular tag and file folder stock, index and printing bristols, and the coated bristols.

Continued on Page 11

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

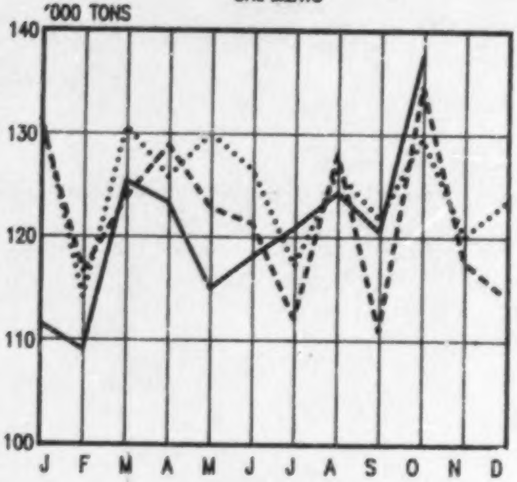
	YEAR 1980	YEAR 1981	JULY 1982	AUG. 1982	SEPT 1982	OCT. 1982	Annual Rate Y-T-D 1982	% Change From same Period Last Year
PAPER					R	P		
Newsprint - Production	4872	5238	400	410	389	448	5120	-2.8
- Shipments	4667	5220	386	400	389	439	5014	-4.3
Printing & Writing	15577	15736	1228	1354	1320	1377	15881	-1.6
Groundwood Paper - Shipments	1488	1463	121	124	121	138	1448	-1.9
- New Orders	1475	1448	138	113	125	125	1453	-1.7
- Unfilled Orders	110	100	117	100	104	83	83	-14.4
Coated Paper - Shipments	4873	4840	400	443	433	451	5045	1.3
- New Orders	4753	4653	398	443	407	448	4981	1.0
- Unfilled Orders	391	360	312	307	285	275	275	-28.7
Unctd Free Sheet - Shipments	8016	7898	604	678	657	674	7865	-2.1
- New Orders	7726	7735	610	674	639	669	7780	-1.6
- Unfilled Orders	548	370	304	303	286	274	274	-33.3
Thin Paper - Shipments	333	336	24	27	26	28	329	-4.0
Cotton Fiber Paper - Shipments	126	125	9	10	11	11	125	-0.5
Bleached Bristols - Production	832	874	68	72	72	75	879	-10.9
Tissue Paper - Production	4375	4518	338	383	359	380	4409	-3.0
Total Packaging & Other Paper *	5571	5550	383	409	437	450	5283	-6.3
Unbl. Kraft Paper - Shipments	3862	3873	271	328	307	315	3687	-8.7
Other Paper - Production *	1609	1678	122	144	130	135	1616	-5.4
TOTAL PAPER-Production-UnadJ.	30185	31042	2357	2617	2505	2654	30503	-2.6
-Production-S.A.			2529	2523	2604	2584	30338	-2.9
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	23881	24231	1731	1968	1887	1980	22893	-7.6
Unbl. Kraft Linerboard (1)	14232	14540	1004	1207	1132	1181	13782	-7.9
Production for Export	2380	1887	146	170	154	149	1909	-1.4
Other Unbl. Kraft Paperboard	1083	1062	86	85	84	87	1078	-2.9
Semichemical Paperboard	4723	4719	344	350	364	378	4418	-6.6
Production for Export	322	155	17	14	14	14	181	11.3
Solid Bleached Paperboard	3862	3910	286	316	288	305	3736	-6.5
Production for Export	545	557	43	39	38	39	520	-7.1
Recycled Paperboard	7071	7001	494	573	549	579	6706	-6.9
Production for Export	83	24	1	1	1	1	15	-41.5
TOTAL PAPERBOARD-Prod.-UnadJ.	30852	31232	2225	2541	2416	2539	29889	-7.4
- Containerboard Prod.(Dom. Use)	18070	18040	1324	1525	1475	1570	17872	-8.6
- Boxboard Prod.(Dom. Use) (2)	5477	5544	386	454	428	445	5289	-7.2
- All Other P'bd Prod.(D.U.) (2)	4075	4028	289	339	308	322	3815	-5.9
- Total Paperbd Prod. for Export	3329	2822	207	224	207	203	2625	-2.2
TOTAL PAPERBOARD PROD. - S.A.			2328	2453	2533	2444	28335	-7.4
TOTAL PAPER AND PAPERBOARD Production - actual	61147	62274	4582	5158	4921	5193	60203	-5.2
Production - S.A.			4857	4976	5136	5008	58873	-5.1

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

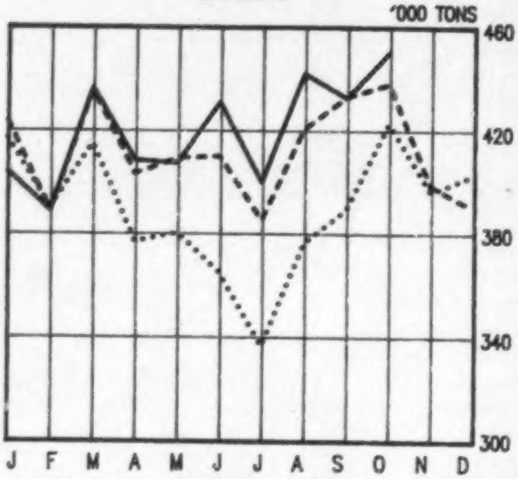
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



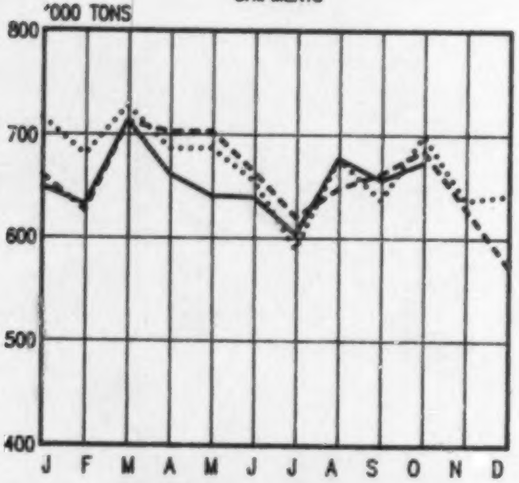
COATED PAPER

SHIPMENTS



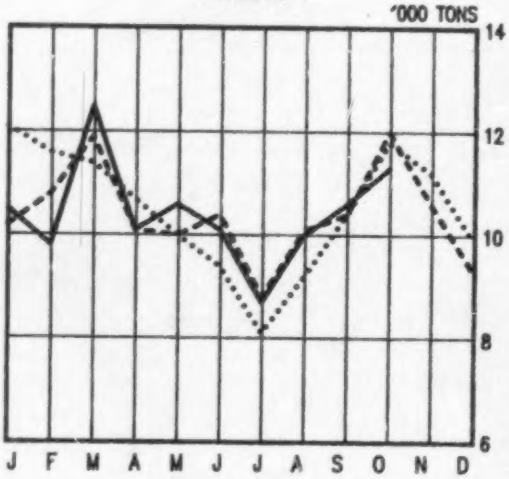
UNCOATED FREE SHEET PAPERS

SHIPMENTS



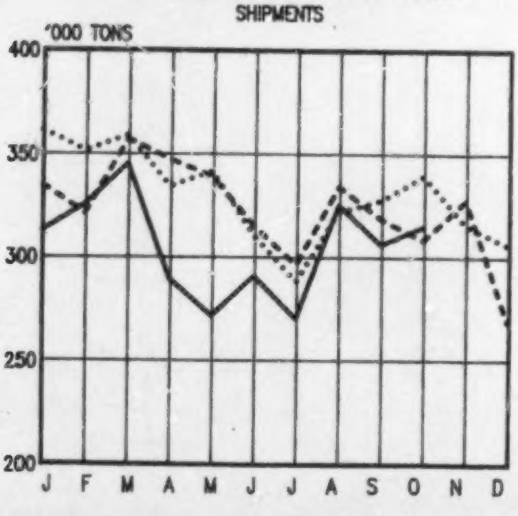
COTTON FIBER PAPER

SHIPMENTS



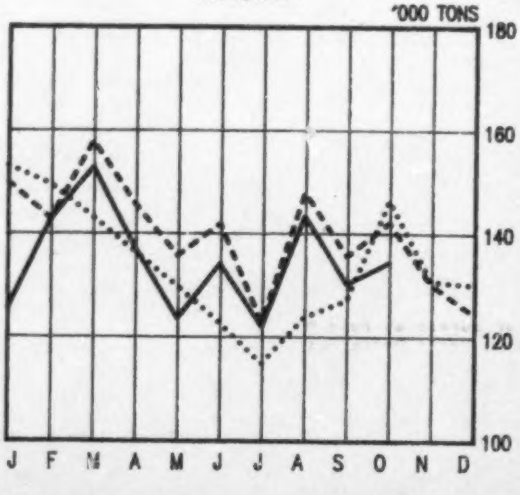
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1980 ······· 1981 ----- 1982 ——

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 1980	YEAR 1981	JUNE 1982	JULY 1982	AUG. 1982	SEPT 1982	Annual Rate Y-T-D 1982	% Change From same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	50737	52041	4162	3730	4226	3941	49885	-5.7
- Imports	4051	4087	287	289	350	304	3819	-12.3
- Exports	3806	3678	302	261	279	298	3501	-6.9
- New Supply	50982	52450	4147	3758	4297	3946	49883	-6.1
Dissolving Pulp - Production	1508	1353	72	55	100	79	1112	-19.1
- Imports	263	248	15	6	21	11	185	-26.6
- Exports	788	784	55	32	60	52	632	-19.7
- New Supply	1002	817	32	30	61	38	665	-21.7
Paper Grades Chemical Pulp - Production	40438	41445	3335	2968	3436	3137	39866	-5.3
- Imports	3615	3655	259	268	315	276	3271	-11.4
- Exports	2956	2870	245	228	214	243	2845	-3.9
- New Supply	41085	42230	3350	3008	3536	3171	40283	-5.9
Groundwood and Thermo-Mech. - Production	4767	5320	428	407	403	422	5112	-4.4
- Imports	173	183	12	16	14	16	162	-10.3
- Exports	81	24	2	1	4	3	24	-0.3
- New Supply	4859	5478	439	423	413	435	5250	-4.6
Semi-Chemical - Production	4026	3824	326	300	286	303	3775	-6.2
- Imports	0	0						
- Exports	0	0	------ Included	with	Groundwood	Pulp	------	
- New Supply	4026	3824	326	300	286	303	3775	-6.2
MARKET WOOD PULP								
Total Market Wood Pulp - Production	6486	6206	492	381	525	431	5787	-7.5
- Imports	2947	2924	174	196	194	173	2387	-18.1
- Exports	3513	3352	262	247	267	275	3157	-7.4
- New Supply	5919	5777	404	330	452	329	5017	-13.4
Dissolving Pulp - Production	1506	1352	72	58	100	78	1108	-18.3
- Imports	235	241	14	18	22	12	188	-24.5
- Exports	876	787	61	39	56	75	692	-12.5
- New Supply	865	806	25	32	66	15	604	-27.3
Paper Grades Chemical Pulp - Production	4913	4853	420	327	425	353	4680	-4.1
- Imports	2687	2634	157	174	170	157	2156	-18.6
- Exports	2588	2555	201	208	211	200	2467	-5.4
- New Supply	5012	4932	376	293	384	310	4369	-11.2
Groundwood Pulp and All Other - Production	68	1	0	0	0	0	1	-98.7
- Imports	26	48	3	5	2	4	44	-19.2
- Exports	50	10	0	0	0	0	0	0.0
- New Supply	41	40	4	5	2	4	44	3.1

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

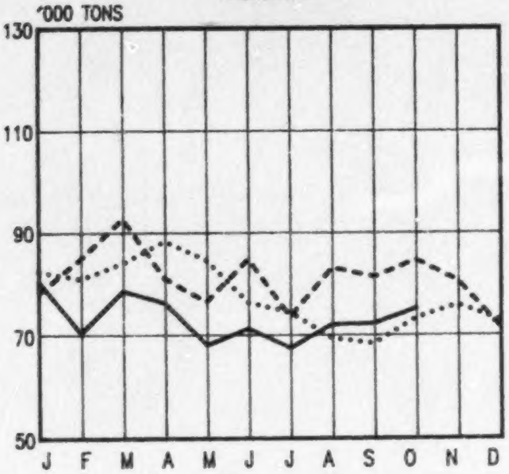
FIBROUS RAW MATERIALS
(Thousands of tons)

	YEAR 1980	YEAR 1981	JUNE 1982	JULY 1982	AUG. 1982	SEPT 1982	Annual Rate Y-T-D 1982	% Change From same Period Last Year
CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	63023	64843	5171	4694	5271	4996	61920	-6.0
Total Wood Pulp	49472	50822	4035	3661	4073	3874	48198	-6.7
Waste Paper	13551	14022	1136	1033	1198	1122	13722	-3.7
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	117	186	206	188	210	189	189	-0.8
Market Pulp at Pulp Mills	238	389	476	445	492	457	457	54.4
Mkt Pulp at Ppr. & Bd. Mills *	446	454	385	420	413	420	420	-13.5
Waste Paper at Paper &Bd. Mills	1009	1216	1047	1077	1011	1016	1016	-8.8
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	16	33	38	36	40	38	38	65.2

SOURCES: Wood Pulp Data, Pulp & Raw Materials Group, API. Waste Paper Data, Paper Recycling Committee, API
* - Census data prior to 1982; P - Preliminary; R - Revised; (O) - Indicates zero to five-hundred short tons

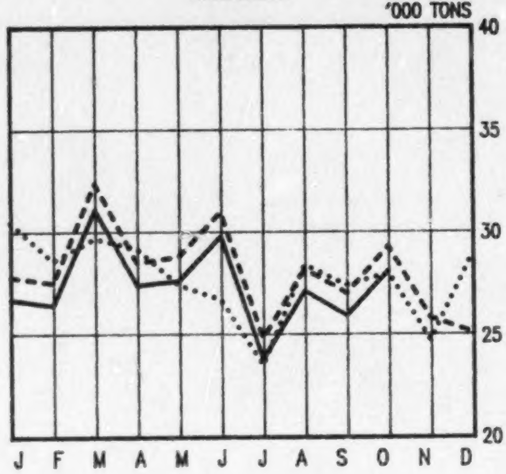
BLEACHED BRISTOLS

PRODUCTION



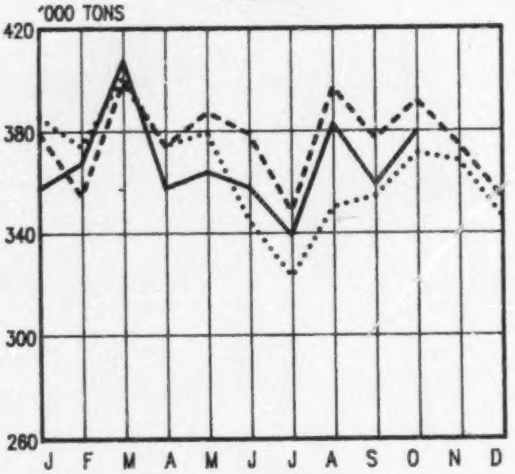
THIN PAPER

PRODUCTION



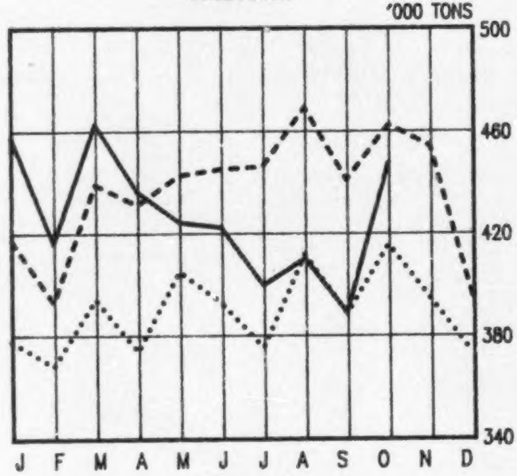
TISSUE PAPER

PRODUCTION



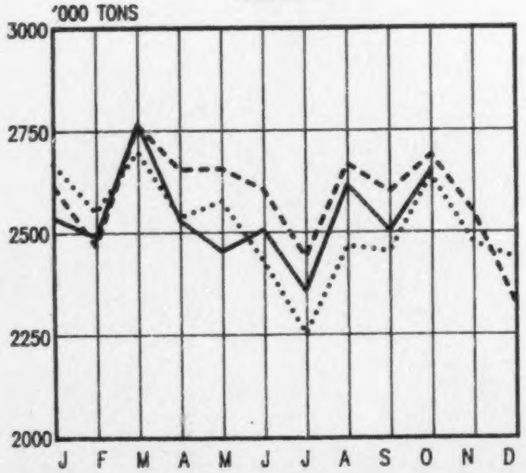
NEWSPRINT

PRODUCTION



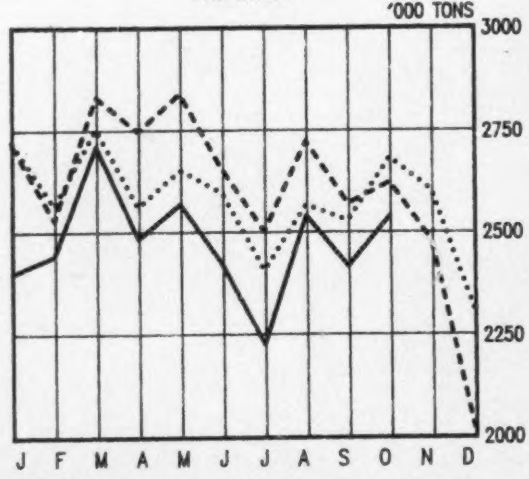
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1980 ········ 1981 - - - - 1982 ———

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic Foot) Cords)

		YEAR 1980	YEAR 1981	JUNE 1982	JULY 1982	AUG. 1982	SEPT 1982	Annual Rate Y-T-D 1982	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	81805	78547	6863	6644	6794	6678	78488	-2.1
	- Total Consumpt.	78574	78747	6737	6399	6758	6801	78345	-1.8
	- Residues *	28402	30580	2758	2586	2783	2750	30772	-1.1
	- Inventories	6285	8043	5738	5023	5158	5183	5183	-8.8
So. Atlantic	- Total Receipts	26742	24881	2042	1797	2038	2013	23521	-5.8
	- Total Consumpt	25743	24815	2045	1786	2080	1882	23761	-6.2
	- Residues *	8776	8770	684	610	728	727	8107	-8.0
	- Inventories	1158	1051	811	921	977	1001	1001	8.2
Northeast	- Total Receipts	7710	7803	638	655	641	577	7372	-4.7
	- Total Consumpt	7487	7712	567	584	585	588	7288	-5.8
	- Residues *	1649	1382	130	118	128	112	1401	0.4
	- Inventories	724	635	523	581	616	605	605	-9.8
South Central	- Total Receipts	27508	27744	2237	2238	2184	2250	26557	-4.3
	- Total Consumpt	27074	27887	2288	2281	2230	2233	27425	-2.0
	- Residues *	8001	8823	715	733	746	738	8504	-7.3
	- Inventories	1830	1825	1281	1288	1270	1338	1338	-5.4
North Central	- Total Receipts	5514	5850	478	305	518	489	5517	-1.8
	- Total Consumpt	5282	5708	455	479	510	474	5682	-0.1
	- Residues *	1361	1439	114	118	150	148	1408	-2.3
	- Inventories	1210	1106	819	858	880	842	842	-25.1
West	- Total Receipts	14330	13888	1467	1448	1415	1381	15501	10.1
	- Total Consumpt	13978	13825	1372	1268	1333	1334	15188	8.3
	- Residues *	9615	10086	1105	1016	1041	1025	11351	11.2
	- Inventories	1363	1428	2204	1377	1413	1379	1379	-13.2

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

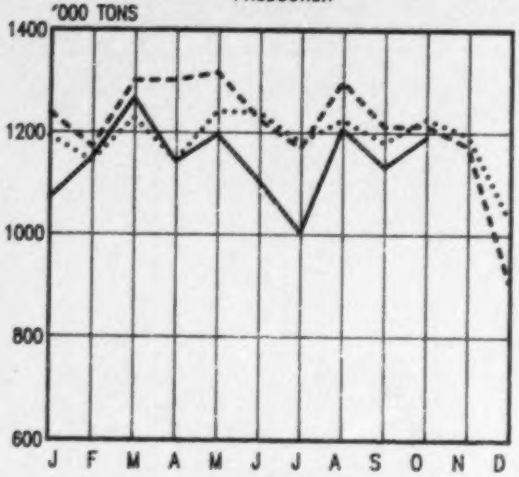
IMPORTS FROM CANADA

	YEAR 1981 Tons	YEAR 1981 $000	AUG. 1982 Tons	AUG. 1982 $000	SEPT 1982 Tons	SEPT 1982 $000	Annual Rate Y-T-D 1982	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	168317	9878	4884	214	7882	548	92885	-44.7
Pulpwood Chips	1884950	51394	130913	3485	133672	4028	1744038	2.7
Wood Pulp, Total	3800713	1640888	333827	134110	288132	117783	3373803	-12.8
Waste Fibrous Materials, Total	120498	21239	12228	2480	12488	2485	124599	1.8
Paper, Board & Products, Total	8037877	3282788	627719	258156	619274	257856	7815753	-4.1
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	8001585	3218080	623788	252014	615215	251482	7573454	-4.2
Paper Paperboard & Products	7675713	3210134	580807	248819	581779	248633	7238488	-4.1
Paper & Paperboard, Only	7638420	3148427	578678	242477	557720	240180	7188200	-4.2
Paper, Total	7509823	3112817	567344	240251	545987	237447	7085384	-3.8
Newsprint	6935975	2807548	508381	208825	483547	204243	6448807	-5.4
Printing, Writing & Rel.Pap.	482408	242844	52278	28258	55322	28317	572388	25.8
Pack. & Ind. Conv. Paper	82414	54433	5872	4337	6486	4333	65480	-28.5
Special Industrial Paper	2279	3639	220	385	187	288	1788	-28.4
Tissue Paper	8748	4452	516	345	465	287	5853	-8.6
Paperboard, Total	128597	33510	8334	2227	11733	2713	100806	-27.0
Convtd Paper&Paperbd Products	36282	63708	3828	6142	4059	6474	42288	25.2
Wet Machine Board	1084	573	75	43	139	84	1141	7.0
Construction Paper & Board	381101	72080	47036	9494	57356	11238	376113	-4.9

EXPORTS TO CANADA

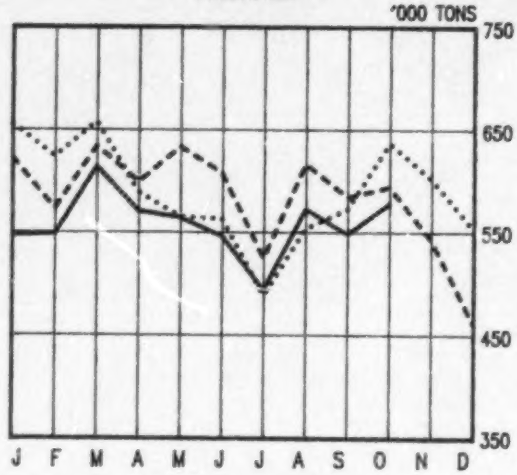
	YEAR 1981 Tons	YEAR 1981 $000	AUG. 1982 Tons	AUG. 1982 $000	SEPT 1982 Tons	SEPT 1982 $000	Annual Rate Y-T-D 1982	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	185312	10444	10196	654	7786	534	112028	-34.2
Pulpwood Chips	38471	1525	777	35	145	7	24597	-38.7
Wood Pulp, Total	118921	56740	9567	4605	8552	4036	114081	-11.7
Cotton Pulp & Other Pulp	5900	3860	386	272	811	490	6280	-4.3
Waste Paper	358523	41185	22581	2803	22558	2822	254304	-32.5
Paper, Board & Products, Total	885892	504804	43780	33388	56834	42858	525886	-28.0
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	527488	365270	29259	20332	30863	21884	384688	-35.8
Paper, Paperboard & Products	658327	488675	41923	32558	54823	41704	503875	-27.8
Paper & Paperboard, Only	487822	350041	27402	18502	28852	21040	342378	-34.6
Paper, Total	278138	247808	12803	13202	14538	14038	182870	-38.5
Newsprint	8435	6155	230	182	302	171	2887	-68.6
Printing, Writing & Rel.Pap.	182623	134132	7406	6458	8054	7170	108225	-38.7
Pack. & Ind. Conv. Paper	24365	17449	2079	1249	1738	1271	18203	-23.6
Special Industrial Paper	75854	84471	2846	5139	3201	5178	48858	-37.5
Tissue	6858	5800	143	184	242	248	3482	-55.5
Paperboard, Total	208686	102235	14588	6300	14316	7002	158508	-28.4
Convtd Paper&Paperbd Products	188505	138634	14521	13056	25871	20884	181287	-7.3
Wet Machine Board	7201	4215	257	182	424	289	4833	-30.6
Construction Pap & Bd. E	32464	11014	1800	638	1588	684	17477	-51.8

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square feet data



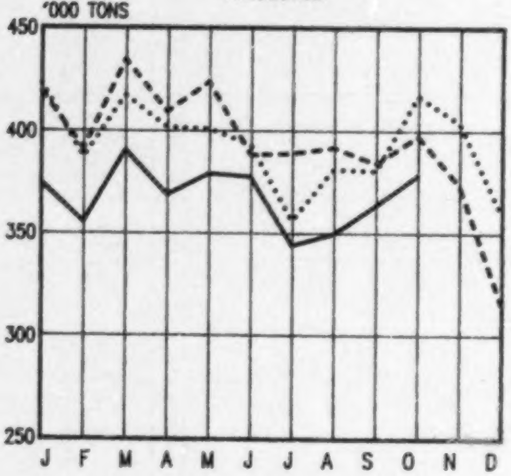
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



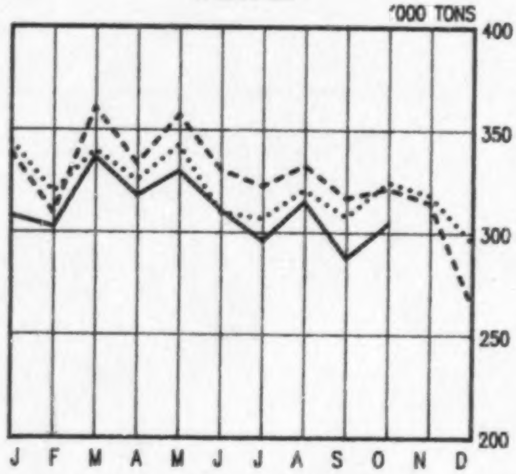
RECYCLED PAPERBOARD

PRODUCTION



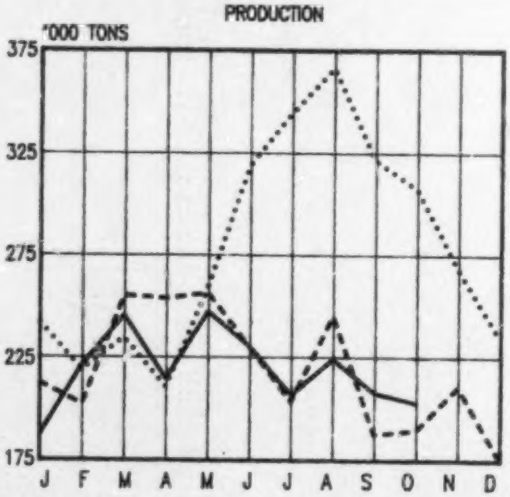
SEMICHEMICAL PAPERBOARD

PRODUCTION



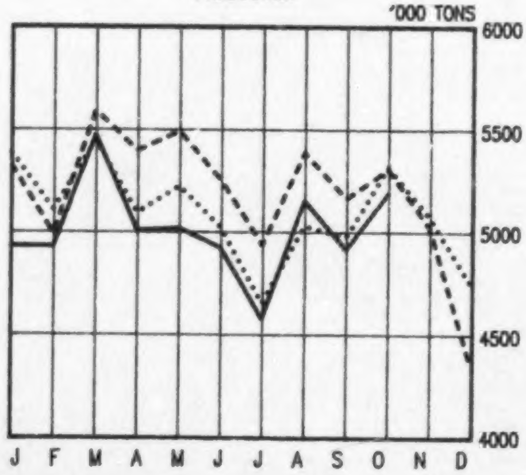
SOLID BLEACHED PAPERBOARD

PRODUCTION



PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION

1980 ········ 1981 - - - - - 1982 ———

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 1981 Tons	YEAR 1981 $000	AUG. 1982 Tons	AUG. 1982 $000	SEPT 1982 Tons	SEPT 1982 $000	(1) Annual Rate Y-T-D 1982	% Change From same Period Last Year
Pulpwood, Roundwood (cords)	188331	8876	4894	214	7682	548	82853	-44.8
Pulpwood Chips	1684968	51400	130813	3485	133673	4027	1748838	3.0
Total All Imports	12559288	5468721	1027725	440815	873853	423454	11701165	-8.4
Wood Pulp, Total	4086686	1784289	350018	139198	303571	120280	3618812	-12.3
Waste Paper	79064	13405	6308	758	6528	782	68399	-14.5
Other Fibrous Materials	54376	18535	7088	2320	7200	2382	72191	35.1
Paper, Board & Products, Total	8339150	3672483	664301	288344	656654	300020	7940864	-3.6
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	8244842	3361889	654017	287684	648333	288079	7833222	-3.9
Paper, Ppbd & Prds ex Cnst&WMB	7940870	3582889	613577	287847	584334	287715	7523271	-3.8
Paper & Paperboard, Only	7848763	3282364	603283	257167	584014	255773	7415828	-3.9
Paper, Total	7716285	3247847	593755	254737	572095	252874	7313823	-3.5
Newsprint	6877118	2824777	518700	212800	488802	206350	6505173	-5.2
Printing & Writing	638536	347116	65855	35201	74805	40046	723885	19.0
Uncoated Groundwood	458915	218897	41466	18885	48865	22985	484162	9.0
Uncoated Book	114422	64874	14806	8014	14237	8107	141237	34.7
Coated Print.& Impres. Pap	38321	28765	6849	4644	9558	5884	62831	72.0
Bristols	910	656	42	47	1	1	327	-54.9
Writing and Similar Paper	12955	15478	1859	1577	2937	1907	24508	107.8
Thin (except Cigarette)	12015	17847	832	823	1208	1151	10718	6.8
Total Pkg & Other Paper	93588	71124	7273	6053	7872	6135	77527	-22.8
Unbleached Kraft Paper	32532	14870	1198	591	1885	748	21735	-41.1
Other Pkg. & Indust. Paper	61056	56254	6074	5462	5987	5387	55793	-11.8
Tissue	7040	4830	828	683	518	342	7037	5.0
Paperboard, Total	130478	34518	8538	2430	11918	2900	102205	-26.4
Test or Containerboard	48169	12071	2395	483	3267	700	29475	-48.7
Semi-Chemical Corrugating	52476	11695	4449	900	6118	1235	43111	-15.8
Other Paperboard	29832	10751	2684	1037	2535	865	29620	-2.4
Convtd Paper&Paperbd Products	94208	310605	10284	30679	10321	31941	107442	18.0
Paper Products, Total	86676	294479	8639	27390	8620	28429	93192	12.0
Paperboard Products, Total	7531	16126	1645	3289	1700	3513	14250	101.1
Wet machine Board	1684	1185	174	120	151	92	1748	4.7
Construction Paper & Board	396486	78338	50550	10377	62189	12213	415845	-3.4
Notes								
Other: No Weight Avail. ($000)		109042		12751		11769	121286	9.8
Total Imports Incl. Other($000)		5578763		453366		435223	5378439	-1.9

EXPORTS

	YEAR 1981 Tons	YEAR 1981 $000	AUG. 1982 Tons	AUG. 1982 $000	SEPT 1982 Tons	SEPT 1982 $000	(1) Annual Rate Y-T-D 1982	% Change From same Period Last Year
Pulpwood, Roundwood (cords)	186598	10555	10434	684	8886	601	117355	-32.6
Pulpwood Chips	3846048	314037	176503	14644	247196	18878	2880760	-25.3
Total All Exports	10663146	4905814	804082	340678	869338	391714	10171123	-7.7
Wood Pulp, Total	3677635	1661311	278904	118530	288385	118982	3500837	-6.8
Cotton Pulp and Other Pulp	131910	85195	7582	4856	9736	8094	108315	-17.7
Waste and Old Paper	2212549	288528	182793	18288	182874	20595	2287543	-0.8
Paper, Board & Products, Total	4841054	2880782	334803	203005	378533	215063	4284328	-11.1
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	4033988	2078837	295694	143144	321487	139223	3755837	-10.8
Paper, Ppbd & Prod ex Cnst&WMB	4561410	2953148	331467	201217	374728	212718	4234225	-10.8
Paper & Paperboard, Only	3954344	2042303	282358	141357	317683	136878	3685734	-10.4
Paper, Total	1008409	846775	57128	53806	69297	51885	883772	-13.5
Newsprint	270460	139702	24514	10881	25188	10839	328403	23.4
Printing & Writing	383317	354808	20221	18471	21209	19815	257018	-35.3
Uncoated Groundwood	119673	91966	5570	4194	5211	4336	63633	-47.8
Clay Coated Paper	88597	78328	6241	5084	7744	5835	80748	-10.3
Uncoated Free Sheet	116752	119591	5500	5520	4821	5624	72481	-41.0
Other Printing & Writing	58295	64723	2909	3663	3433	4217	40156	-35.1
Total Pkg. & Other Paper	302887	304623	20844	22789	21554	19832	285554	-8.5
Unbleached Kraft	110801	50980	7311	3232	10735	4415	82637	-18.1
Other Pkg. & Indust. Paper	192086	253643	13533	19557	10820	15418	192917	-3.1
Tissue	51745	47842	1549	1665	1388	1509	24796	-58.3
Paperboard, Total	2945935	1195528	225230	87551	248385	84883	2801862	-9.4
Solid Wood Pulp	2772413	1110744	208718	80940	231298	77821	2649713	-9.8
Total Linerboard	1973487	860285	156851	49802	182956	47836	1810973	-8.2
Bleached Kraft Linerboard	151979	52546	4809	1674	6847	2168	61861	-63.3
Unbleached Kraft Linerbd	1821508	807738	152042	48128	176108	45768	1849011	-4.5
Other Unbleached Kraft	148855	63341	10083	4574	5576	3073	145748	-4.8
Other Bleached Kraft	584250	387530	39428	25886	38177	25861	532468	-9.0
Semi-Chemical Corrugating	65821	19588	2257	688	4580	1152	60523	-4.0
Recycled Paperboard	173522	84784	16511	6611	17088	7082	152248	-18.6
Convtd Paper&Paperbd Products	607066	810845	39108	59860	57046	75841	538481	-13.8
Paper Products, Total	362337	580602	22682	42832	25716	50271	318795	-13.0
Paperboard Products, Total	244729	230243	16427	17028	31330	25570	219696	-14.4
Wet Machine Board	10812	7038	581	387	748	482	10854	-0.1
Construction Paper & Board E	68832	30585	2755	1381	3057	1883	49248	-33.0
Notes								
Other: No Weight Avail. ($000)		11235		733		715	9688	-6.8
Total Exports Incl. Other($000)		4917049		341411		392429	4454719	-11.5

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.
(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES

1967 = 100

	1980	1981	JULY	AUG.	SEPT	OCT.	Annual Rate Y-T-D 1982	% Change From Same Period Last Year
Pulp, Paper and Products except Building Grades	250.6	270.8	272.8	272.6	271.8	270.4	274.2	1.6
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	251.3	272.4	275.6	275.3	274.4	273.0	276.8	2.0
Total Wood Pulp	380.3	387.1	370.5	369.2	367.2	352.5	368.3	-1.9
Total Paper	256.8	278.8	287.0	286.1	288.0	285.6	287.9	3.4
Total Paper, exc. Newsprint	249.3	271.1	278.8	276.8	276.4	278.2	278.2	3.8
Newsprint	279.7	307.5	318.4	318.4	318.4	318.4	318.0	4.4
Total Paperboard	234.6	259.1	255.0	255.5	250.7	248.0	256.7	-0.3
Total Paper and Paperboard #	248.9	273.1	277.0	276.7	274.9	273.8	278.1	2.3
Converted Products	238.5	258.9	264.6	264.4	264.2	263.9	264.3	2.5
Waste Paper	208.7	175.7	115.6	116.0	116.0	116.0	122.2	-32.9
All Commodities	268.8	293.4	300.6	300.4	299.5	299.9	299.1	2.1
Industrial Commodities	274.8	304.1	313.0	313.4	312.9	314.4	311.8	2.9

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

1982	Paper and Paperboard Production Trends* Total	Paper	Paperboard	Manufacturing Production	Real Gross National Product
	(Million Tons Per Year)			(1967 = 100)	$ Billion 1972 Prices
January	58.4	29.9	28.5	138.5	)
February	61.0	30.9	30.1	140.9	)1,470.7
March	61.6	31.0	30.6	140.1	)
April	59.9	30.5	29.4	138.7	)
May	58.3	29.3	28.9	137.9	)1,478.4
June	57.6	28.9	28.6	137.7	)
July	57.9	29.9	28.0	138.1	)
August	60.0	30.3	28.7	138.0	)1,478.4
September	60.7	30.8	29.9	137.2	)
October	60.9	31.0	29.9	135.8	NA

*Two month moving average of seasonally adjusted data; used to smooth random changes.

NA - Not Available

Continued from Page 2

Demand for the packaging and industrial papers continues to be weak. On the basis of current trends, the 1982 production total would amount to 5.2 million tons, some 6% below the 1980-1981 levels. However, output of bag and sack papers appears to be holding up fairly well, running close to year-ago levels.

As the table on page 3 shows, the major grades of paperboard are all tending to show somewhat similar trends. For example, the ten-month 1982 data show total production down 7.4%, with production of containerboard for domestic use down 8.6% and boxboard production for domestic use down 7.2%. The trend in the containerboard data may be compared with that of the fibre box shipments: for the first ten months of 1982, fibre box shipments were 5.6% below the corresponding 1981 total. However, third quarter shipments of fibre boxes, after adjustment for seasonal factors, were 2.6% ahead of their second quarter rate. If the seasonally adjusted rate of shipments continues at the October level through November and December, the 1982 shipments total would amount to 237 billion square feet, 3.7% below the 246 billion square feet shipped in 1981.

Output of the major boxboard grades is running well below year-ago levels. However, production of clay coated solid bleached foldding boxboard in the first ten months of 1982 was down only 4.3% while clay coated recycled board was down by 5.9%, compared to a 7.4% decline in total folding boxboard. Set-up boxboard production also showed a better than average performance, running 5.8% below the year-ago level. Among the bleached board packaging grades, plate dish and tray stock turned in the best performance, at 3.2% below its year-ago level.

Production of paperboard for export has held up fairly well. The annual rate for the first ten months of 1982 was about equal to the average rate for 1981 as a whole, although the ten-months 1982 total was 2.2% below the comparable 1981 total. Production for export of kraft linerboard has done particularly well, with the ten-month 1982 total only 1.4% below its year-ago level. Should production of this grade continue its present trend, the 1982 total would be in excess of 1.90 million tons and slightly above the 1.89 million tons produced for export in 1981.

Raw Materials

The production of paper grade wood pulps in 1982 has roughly paraleled the trend in total paper and paperboard produciton. For example, as the table on page 5 shows, total production of paper grade chemical wood pulp for the first nine months of 1982 was 5.3% below its year-ago level, compared to the 5.2% decline in paper and board production shown for the first ten months of the year. Production of dissolving grades, however, which are used outside the paper industry, was down sharply, with the nine month 1982 total 19% below its year-ago level and the total new supply down nearly 22%.

Continued on Page 12

Continued from Page 11

Production of paper grade chemical market pulp is showing a pattern similar to that of total wood pulp, with the production in the first nine months of the year 4.1% below its year-ago level. Imports were down sharply, while exports, which were 5.4% below the year-ago level, more or less followed the pattern of domestic production. However, the sharp decline in importshas brought the total new supply of chemical paper grade market pulp 11% below its year-ago level.

Consumption of wood pulp at paper and paperboard mills, based on API data, appears to be running 6.7% below its year-ago total. Waste paper consumption, by way of contrast, appears to be down only 3.7%. As is usual in times of weak demand, inventories of market pulp at pulp mills rose sharply while inventories of market pulp at paper and board mills, as shown in the lower panel of the table on page 5, have been reduced.

Capital Expenditures

The Department of Commerce reported capital expenditures by Paper and Allied Products companies in the second half of 1982 at an average rate of $6.48 billion per year, compared to $6.04 billion in the first half of the year. On this basis, Commerce noted expenditures for the year would be $6.28 billion. This pattern was much stronger than that shown for capital expenditures as a whole. Capital expenditures by all manufacturing companies in the second half of 1982 were estimated at $123 billion per year, compared to $126 billion per year in the first half. Incidentally, in terms of constant prices, Commerce noted that second half expenditures on new plant and equipment by paper industry companies were 4.8% above their first half rate.

In a recent report on capital spending, the McGraw-Hill Economics Department reported that capital expentiures by paper and pulp companies in 1983 would amount $6.6 billion, some 7% above their 1982 estimated total. They also reported that the these expenditures would rise another 4% in 1984. Again, the capital expenditures trend by pulp and paper companies was stronger than that for industry as a whole. McGraw-Hill reported that expenditures by total non-durable goods producers would drop 4% in 1983, while expenditures by durable goods producers would drop about 1%. The preliminary data are often adjusted in subsequent surveys.

Note: the American Paper Institute will publish the results of its 1982 Survey of Paper, Paperboard and Wood Pulp Capacity on December 15, 1982.

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INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

NOVEMBER 23, 1982

	PRODUCTION (000 TONS)					
	Oct. 1982	Sept 1982	Oct. 1981	Jan - Oct. 1982	Jan - Oct. 1981	% Change 82/81
PAPER GRADES	P	R				
Newsprint	448	389	463	4267	4389	-2.8
Printing & Writing	1377	1320	1385	13076	13287	-1.6
Uncoated Groundwood (s)	138	121	135	1207	1231	-1.9
Coated Paper (s)	451	433	439	4204	4151	1.3
Uncoated Free Sheet Paper (s)	674	657	686	6555	6693	-2.1
Thin Paper (s)	28	26	29	274	285	-4.0
Cotton Fiber Paper (s)	11	11	12	104	105	-0.5
Bleached Bristols (s)	75	72	85	732	822	-10.9
Tissue Paper	380	359	392	3674	3789	-3.0
Total Pkg & Other Paper	450	437	451	4402	4698	-6.3
Unbleached Kraft Packaging & Indl. Converting (s)	315	307	309	3056	3275	-6.7
Other Paper *	135	130	142	1347	1423	-5.4
TOTAL PAPER	2654	2505	2690	25419	26163	-2.8
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1277	1216	1308	12365	13379	-7.6
Unbleached Kraft Linerboard	1191	1132	1214	11468	12457	-7.9
Other Unbl. Kraft Paperboard	87	84	94	896	923	-2.9
Semichemical Paperboard	378	364	398	3683	4029	-8.6
Bleached Paperboard	305	288	322	3114	3329	-6.5
Recycled Paperboard	579	549	595	5588	5995	-6.8
TOTAL PAPERBOARD	2539	2416	2623	24749	26733	-7.4
TOTAL PAPER AND PAPERBOARD	5193	4921	5313	50169	52895	-5.2

WOOD PULP (ALL GRADES)	Sept 1982	Aug. 1982	Sept 1981	Jan - Sept 1982	Jan - Sept 1981	% Change 82/81
Dissolving & Special Alpha	79	100	102	834	1031	-19.1
Bleached Sulphite	95	104	112	957	1072	-10.7
Unbleached Sulphite	29	30	33	258	300	-13.6
Bleached & Semi-Bl. Sulph.	1549	1727	1627	14922	15161	-1.6
Unbleached Sulphate	1464	1576	1657	13762	15047	-8.5
Semichemical	303	286	321	2831	3020	-6.2
Groundwood and Thermo-Mechanical	422	403	453	3834	4008	-4.4
TOTAL PULP DIVISION DATA	3941	4226	4305	37399	39639	-5.7

(s) - Shipments   R - Revised   E - Estimate
P - Preliminary   * - Revised series based on A.P.I. data.

November 23, 1982

	Full Year		INDUSTRY DATA 1982			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1980	1981	August	September	October		
Total Production (API).......| excluding |...	61147	62274	5158	4821	5193	60203	-5.2
Total Seasonally Adjusted....|construction|...			4876	5136	5008	59673	-5.1
Imports (including Products).| and wet |..E	8302	7941	614	594	N.A.	7550	-4.7
Exports (including Products).| machine |..E	5148	4561	331	375	N.A.	4231	-9.3
Apparent Consumption.........| grades |...	64301a	65654b	5259	5355	5306	62983c	-4.8
Paper Production % Tonnage Capacity............	92.5e	92.3e	85.3	84.1	86.4	86.6eh	-
Paperboard Production % Tonnage Capacity......	91.8e	91.2e	82.8	80.9	82.6	83.8e	-
			July	August	September		
IMPORTS.....|Including Construction and |.....	8778	8332	585	664	657	7941	-3.6
EXPORTS.....| WMB Grades (excl. HPB) |.....	5214	464[illegible]	357	335	379	4294	-11.1
MARKET WOOD PULP PRODUCTION - Tons (000).........	8486	620[illegible]	381	525	431	5787	-7.5
TOTAL WOOD PULP PRODUCTION - Tons (000)..(F)....	50737	52041	3730	4226	3941	49865	-5.7
WOOD PULP IMPORTS - TONS (000)..................	4051	4087	289	350	304	3819	-12.3
WOOD PULP EXPORTS - TONS (000)..................	3806	3678	281	279	298	3501	-6.9
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS | excluding |			July	August	September		
Wood Pulp.............|consumption for|.....	49472	50822	3861	4073	3874	48199	-6.7
Waste Paper...........|construction & |.....	13551	14022	1033	1198	1122	13722	-3.7
TOTAL..........| WMB grades |.....	63023	64843	4684	5271	4998	61920	-6.0
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	79574	79747	6399	6758	6601	79345	-1.8
EMPLOYMENT (000)			August	September	October		
Paper and Allied Products..........Total......	692.8	687.8	657.7	658.7	648.4	661.0	-4.2
Pulp, Paper and Board Mills........Total.....E	268.4	266.6	255.7	255.3	253.0	256.6	-4.0
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products......................	7.84	8.30	9.45	9.63	9.55	9.27	8.6
Pulp, Paper Mills............................E	9.15	10.06	11.10	11.38	11.30	10.84	8.6
Paperboard Mills.............................E	9.29	10.23	11.24	11.87	11.30	11.02	8.4
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1982 Q2	1982 Q3	1982 Q4		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	6.80	6.72	6.04	6.49	6.48	6.29	-6.6
INDEX OF OUTPUT PER MAN-HOUR (1977=100)..........			August	September	October		
|IN PULP, PAPER |...Production Workers..........	108.1	109.0	114.0	114.8	113.3	110.8	1.3
|AND BOARD MILLS|...All Employees..............	106.6	107.9	111.5	113.2	111.3	108.9	0.6
PAPER AND ALLIED PRODUCTS (Million $)			July	August	September		
Industry Shipments (Dept. of Commerce)*........	72731	79505	6478	6548	6328	78004	-1.7
Pulp, Paper and Paperboard*.................	31785	34260	2650	2879	2730	32728	-4.4
Inventories (End of Period) - Total Industry*.	7788	8825	8734	8748	8870	8870	3.3
Pulp, Paper and Paperboard*.................	2931	3461	3608	3818	3630	3630	16.2
			1981 Q4	1982 Q1	1982 Q2		
Sales (Corporations Only, FTC).................	58250	62689RS	15402	15125	15316	60882	-2.5
Earnings (Corporations Only, FTC)..............	2800	3110RS	829	418	436	1708	-48.2
Depreciation (Corporations Only, FTC)..........	2028	2267RS	558	580	602	2364	5.4
Net Worth (Corporations Only, FTC).............	24396	26558RS	26558	26825	26897	26897	4.5
PRICE INDEXES (Bureau of Labor Stats)1967=100			August	September	October		
Pulp, Paper & Products, ex. Building Grades...	250.6	270.8	272.6	271.8	270.4	274.2	1.6
Wood Pulp......................................	380.3	397.1	368.2	367.2	352.5	386.3	-1.9
Waste Paper....................................	208.7	175.7	116.0	116.0	116.0	122.2	-32.9
Paper..	256.8	279.8	286.1	286.0	285.6	287.9	3.4
Paperboard.....................................	234.6	258.1	255.5	250.7	248.0	256.7	-0.3
PAPER DEMAND (INDEXED: 1967=100)			August	September	October		
Total Paper Production *.......................	143.9	148.4	144.6	149.2	146.9	144.9	-2.8
Paper New Supply *.............................	136.1	137.9	133.7	136.1	134.3	134.0	-3.2
Total End - Use Index *.....................	146.3	150.3	150.5	150.1	150.1	149.8	-0.4
Production of Nondurable Goods *...(19%)..	161.2	164.7	156.8	156.8	156.5	156.2	-5.8
Disposable Income (Constant $) *...(23%)..	151.0	154.3	158.4	158.2	158.9	157.6	2.3
Total Printing and Publishing *...(58%)..	139.5	144.0	145.3	144.7	144.6	144.7	0.5
Trend Factor	---------------	---------------	---------	Not Available	---------	---------------	---------------
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *..................	135.4	137.1	129.0	133.2	128.5	128.8	-7.4
Production For Domestic Use	128.3	132.9	124.2	129.6	124.9	124.1	-7.9
Total End - Use Index *.....................	146.1	149.3	140.1	139.2	138.2	140.2	-6.9
Production of Consumer Goods *...(60.49%)	145.4	147.8	144.4	143.6	142.5	143.0	-3.9
Production of Equipment *...(6.62%)	145.2	151.8	136.7	135.0	133.0	140.5	-7.4
Production of Materials *...(32.89%)	147.6	151.5	133.0	132.0	131.2	134.9	-12.1
Trend Factor	---------------	---------------	---------	Not Available	---------	---------------	---------------
NEWSPRINT MARKETS			July	August	September		
Consumption by Publishers - Tons (000).........	11121	11205	846	886	922	10855	-0.7
Newspaper Pub. and Printing Empl. Total(000)..	422.8	421.9	424.9	423.5	423.3	424.5	1.1
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	118372	122915	7828	7379	11403	114285	-1.2
WHOLESALERS SALES AND INVENTORIES (Million $)(J)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	21296	24381	1569	2123	2132	24633	1.9
Inventories (End of Period)	1848	2095	2168	2199	2145	2145	3.5
FIBRE BOX DATA (Fibre Box Association)			August	September	October		
Fibre Box Shipments (Million square Feet)......	241376	246152	20448	20655	21084	238088	-5.6
Container'bd Inventory at Mill & Plant(000Tons)	1984	2729	2553	2393	2411	2411	-1.1
RETAIL TRADE (Million $)							
Total Retail Sales *..........................	953984	1044587	88502	88038	89554	1060760	1.6
Nondurable Goods Stores Sales *...............	656231	718282	61834	61740	61482	733040	2.7
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	147.0	150.9	138.4	137.4	136.3	139.4	-8.3
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	268.8	293.4	300.4	299.5	299.9	299.1	2.1
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	246.8	272.4	292.8	293.3	294.1	288.3	6.6
			July	August	September		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	313.5	333.4	332.5	333.3	335.9	335.9	2.3
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1982 Q1	1982 Q2	1982 Q3		
G.N.P. or Expenditure - Current $.............	2633.1	2937.7	2995.5	3045.2	3080.7	3040.5	4.3
G.N.P. or Expenditure - 1972 $................	1474.0	1502.6	1470.7	1478.4	1478.4	1475.8	-2.1

lb/capita

Pap&Papbd	Othr	Totl	Popul(mil)
.a - 565 +	26 =	591	227.7
.b - 571 +	21 =	592	229.7
.c - 544 +	15 =	559	231.8

.E - Last month estimated by API
.e - estimated by API

e - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
J - Census unpublished data; standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter

R - Revised
RS - Revised Series
y - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted

Paper
Paperboard
& Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 60 No. 12

December, 1982

Paper and Paperboard Production: Trend Eases

Preliminary data indicate that the trend position of paper and paperboard production in November, 1982 (the trend position is the two month average of the seasonally adjusted data, in this case October and November) eased to 60.6 million tons per year from the 60.9 million tons per year level reached in the previous month. In the previous 5 months the rate of production had been in a shallow, but steady, uptrend. For the July-November period as a whole, the seasonally adjusted rate of production averaged 60.2 million tons per year, compared to 59.5 million tons per year in the first six months of the year. For the first eleven months of the year, production was at a seasonally adjusted rate of 59.8 million tons per year, 4.6% below the comparable year-ago level.

If production holds at the November rate for the remainder of the year, the 1982 total would fall a little short of 60 million tons. This would be below the levels reached in the 1979-1981 period, but above those of any year prior to 1979.

Paper: The trend position of paper production in November, 1982 was 30.8 million tons per year, compared to 31.1 million tons per year reached in the previous month which was the high for the year.

The production rate for the first eleven months of 1982 was 30.4 million tons per year, 2.6% below the comparable 1981 rate, but above the 30.2 million tons produced in all of 1980.

Among the major paper grades, the production of coated papers continues to show the strongest trend. For the eleven months as a whole, coated paper production averaged 5.05 million tons per year, 1.8% above the eleven-month 1981 rate. If production maintains this pace for the remainder of the year, the 5.1 million ton production total would mark a new high for this grade.

Newsprint production, which had been in a strong growth trend during the past 3 years, has now moved below its first half 1982 rate. The 1982 total will probably be above the 5 million ton level but it will fall about 180,000 tons below the previous high of 5.24 million tons reached in 1981. The 1980 production

Continued on page 2

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Continued from page 1

of newsprint was 4.67 million tons. The recent decline reflects the weakness in business activity, as well as the pressure on publishers to reduce inventories of newsprint. Publishers have reduced inventories of newsprint by about 345 thousand short tons from the peak levels of March 1982. Newsprint consumption in the United States, however, has remained in a flat trend since March, at about 11.1 million short tons per year.

Most of the other grades of printing-writing papers held up fairly well during 1982, the major exception being bleached bristols. Production of bleached bristols in the January-November 1982 period averaged 869 thousand tons per year, 11.7% below the comparable year-ago total.

The packaging grades showed some strength in October and November, at a trend position of 5.3 million tons per year, about equal to the average rate for the eleven months of 1982, but 5.8% below the comparable 1981 total. Production of these packaging and industrial grades are influenced by levels of industrial production and to some extent by retail sales at non-durable goods stores. Industrial production in the January-November period was about 8% below its year-ago level, while retail sales at non-durable goods stores were down about 3½%, after adjustment for price increases.

Paperboard: The trend of paperboard production has moved downward again during the past two months. An intermediate high was made in September, with a trend position at 29.9 million tons per year, slightly below the March high of 30.6 million tons per year. The seasonally adjusted rate for the first eleven months of 1982 was 29.4 million tons per year, 6.7% below the comparable year-ago level. If production maintains its current rate, 1982 would be the first year since 1977 that the annual total fell below 30 million tons.

One relatively bright spot in the paperboard production figures has been production for export. For the entire eleven month period, the production of paperboard for export averaged 2.6 million tons per year, only 2.5% below the comparable 1981 level. If production for export holds at its November rate in December, it would reach 2.6 million tons; this would be about 1% below the 1981 total.

Production of containerboard for domestic use is, of course strongly influenced by corrugated box production, which in turn reflects industrial production changes. The November data from the Fibre Box Association show a slight easing in a rate of shipments of corrugated shipping containers. At its current rate, fibre box shipments in 1982 would total about 235 billion square feet, 4.5 below the 246 billion square feet shipped in 1981. Inventories at containerboard mills and box plants moved slightly

Continued on page 10

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

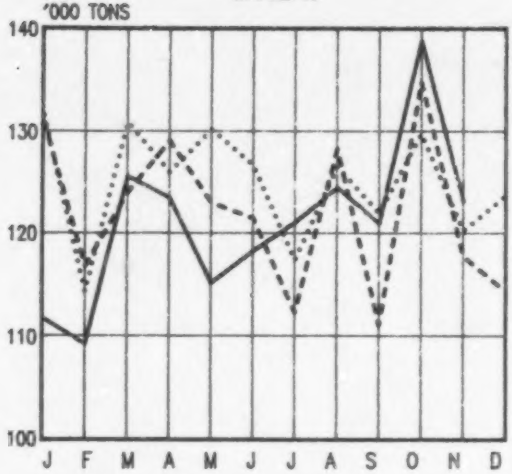
	YEAR						Annual Rate Y-T-D	% Change From same Period
	1980	1981	AUG. 1982	SEPT 1982	OCT. 1982	NOV. 1982	1982	Last Year
PAPER					R	P		
Newsprint - Production	4672	5235	410	389	448	411	5104	-3.4
- Shipments	4867	5220	400	389	439	429	5026	-4.3
Printing & Writing	15577	15736	1354	1320	1383	1307	15699	-1.1
Groundwood Paper - Shipments	1498	1463	124	121	138	123	1452	-1.3
- New Orders	1475	1449	113	125	131	118	1455	0.5
- Unfilled Orders	110	100	100	104	99	92	92	12.0
Coated Paper - Shipments	4673	4940	443	433	447	431	5053	1.8
- New Orders	4753	4853	443	407	446	408	4954	1.2
- Unfilled Orders	391	360	307	285	282	267	267	-27.9
Unctd Free Sheet - Shipments	8016	7898	678	658	688	651	7876	-1.4
- New Orders	7726	7735	674	640	684	632	7781	-0.4
- Unfilled Orders	548	370	303	285	275	257	257	-23.8
Thin Paper - Shipments	333	336	27	26	28	25	328	-4.0
Cotton Fiber Paper - Shipments	126	125	10	11	10	10	123	-2.2
Bleached Bristols - Production	932	974	72	72	71	68	868	-11.7
Tissue Paper - Production	4375	4518	383	359	383	366	4410	-2.9
Total Packaging & Other Paper *	5571	5550	469	437	451	457	5302	-5.8
Unbl. Kraft Paper - Shipments	3862	3873	326	307	315	327	3680	-6.1
Other Paper - Production *	1609	1678	144	130	135	130	1612	-4.9
TOTAL PAPER-Production-Unadj.	30195	31042	2617	2505	2664	2541	30514	-2.6
-Production-S.A.			2523	2604	2574	2558	30384	-2.6
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	23881	24231	1968	1867	1961	1969	23051	-6.8
Unbl. Kraft Linerboard (1)	14232	14540	1207	1132	1192	1220	13844	-6.9
Production For Export	2380	1887	170	154	148	145	1892	-1.8
Other Unbl. Kraft Paperboard	1063	1062	95	84	85	75	1058	-2.6
Semichemical Paperboard	4723	4719	350	364	379	371	4423	-7.9
Production For Export	322	155	14	14	14	14	180	13.5
Solid Bleached Paperboard	3862	3910	316	288	305	303	3727	-6.3
Production For Export	545	557	39	38	39	39	516	-7.7
Recycled Paperboard	7071	7001	573	548	581	543	6691	-6.2
Production For Export	83	24	1	1	1	1	14	-39.5
TOTAL PAPERBOARD-Prod.-Unadj.	30952	31232	2541	2416	2542	2511	29743	-6.7
- Containerboard Prod.(Dom. Use)	18070	19040	1525	1475	1573	1585	17979	-7.5
- Boxboard Prod.(Dom. Use) (2)	5477	5544	454	426	447	427	5276	-6.7
- All Other P'bd Prod.(D.U.) (2)	4075	4026	338	308	320	300	3884	-5.3
- Total Paperbd Prod. For Export	3329	2622	224	207	202	199	2603	-2.5
TOTAL PAPERBOARD PROD. - S.A.			2453	2533	2447	2516	29417	-6.7
TOTAL PAPER AND PAPERBOARD								
Production - actual	61147	62274	5158	4922	5206	5053	60257	-4.6
Production - S.A.			4876	5137	5021	5076	59800	-4.6

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

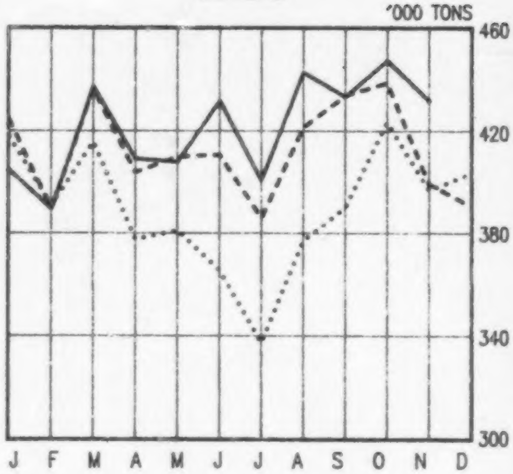
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



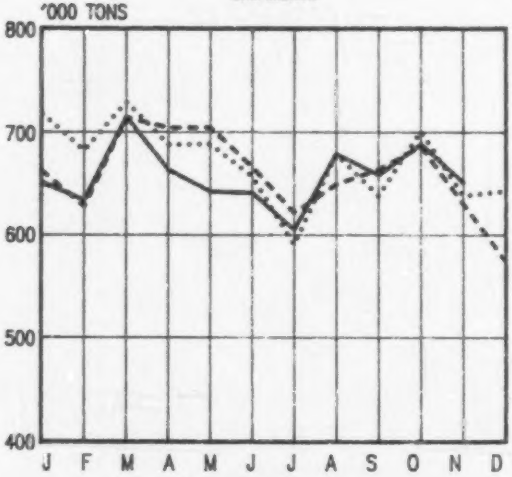
COATED PAPER

SHIPMENTS



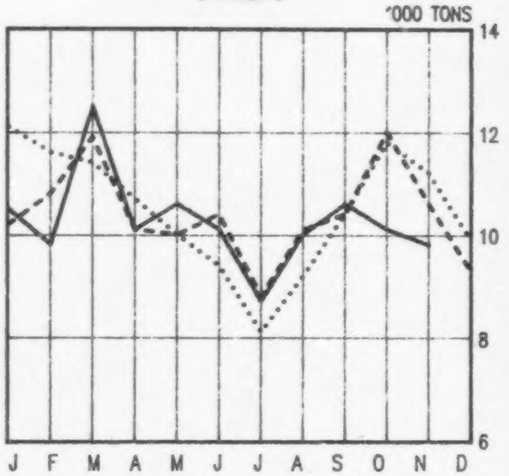
UNCOATED FREE SHEET PAPERS

SHIPMENTS



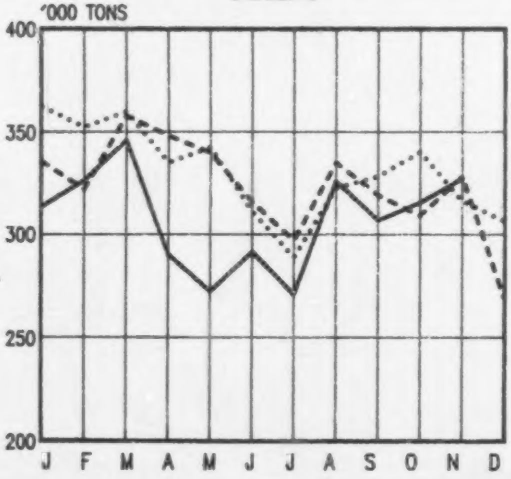
COTTON FIBER PAPER

SHIPMENTS



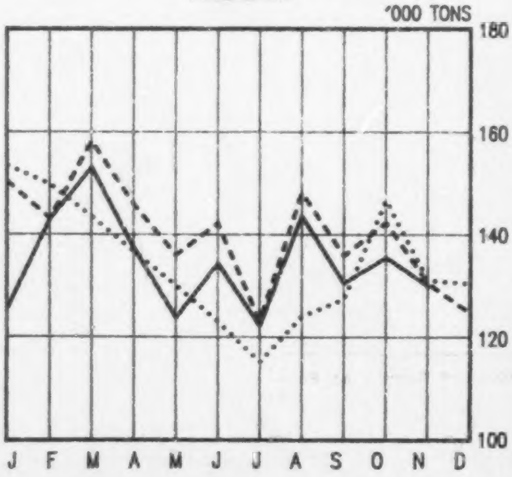
UNBLEACHED KRAFT PACKAGING
AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1980 ······· 1981 ----- 1982 ——

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR		JULY	AUG.	SEPT	OCT.	Annual Rate Y-T-D	% Change from same Period Last Year
	1980	1981	1982	1982	1982	1982	1982	
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	50737	52041	3730	4226	3966	4228	49927	-5.7
- Imports	4051	4087	289	350	304	303	3620	-13.8
- Exports	3806	3678	261	279	298	237	3435	-7.6
- New Supply	50982	52450	3758	4297	3972	4294	50112	-6.2
Dissolving Pulp - Production	1508	1353	55	100	79	86	1114	-18.7
- Imports	263	249	6	21	11	19	189	-28.7
- Exports	769	784	32	60	52	50	629	-18.8
- New Supply	1002	817	30	61	38	65	673	-21.8
Paper Grades Chemical Pulp - Production	40436	41445	2968	3436	3155	3363	39880	-5.6
- Imports	3615	3655	266	315	276	269	3267	-12.7
- Exports	2956	2870	228	214	243	183	2780	-4.7
- New Supply	41095	42230	3006	3536	3188	3448	40366	-6.2
Groundwood and Thermo-Mech. - Production	4767	5320	407	403	429	453	5160	-3.6
- Imports	173	183	16	14	16	15	164	-14.8
- Exports	81	24	1	4	3	3	25	7.0
- New Supply	4859	5478	423	413	442	465	5299	-4.0
Semi-Chemical - Production	4026	3924	300	286	303	316	3774	-6.0
- Imports	0	0						
- Exports	0	0	------ Included with Groundwood Pulp ------					
- New Supply	4026	3924	300	286	303	316	3774	-6.0
MARKET WOOD PULP								
Total Market Wood Pulp - Production	6486	6206	381	525	432	464	5767	-8.5
- Imports	2947	2924	196	194	173	215	2406	-19.1
- Exports	3513	3352	247	267	274	226	3111	-6.4
- New Supply	5919	5777	330	452	331	453	5062	-14.9
Dissolving Pulp - Production	1506	1352	56	100	78	96	1113	-18.7
- Imports	235	241	16	22	12	18	191	-25.3
- Exports	876	787	39	56	75	45	676	-11.4
- New Supply	865	806	32	66	15	69	627	-27.2
Paper Grades Chemical Pulp - Production	4913	4853	326	425	354	369	4654	-5.6
- Imports	2687	2634	174	170	157	191	2169	-18.6
- Exports	2588	2555	207	211	199	181	2435	-4.5
- New Supply	5012	4932	293	384	311	378	4388	-13.0
Groundwood Pulp and All Other - Production	66	1	0	0	0	0	0	-75.0
- Imports	26	49	5	2	4	6	46	-10.8
- Exports	50	10	0	0	0	0	0	0.0
- New Supply	41	40	5	2	4	6	47	12.5

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

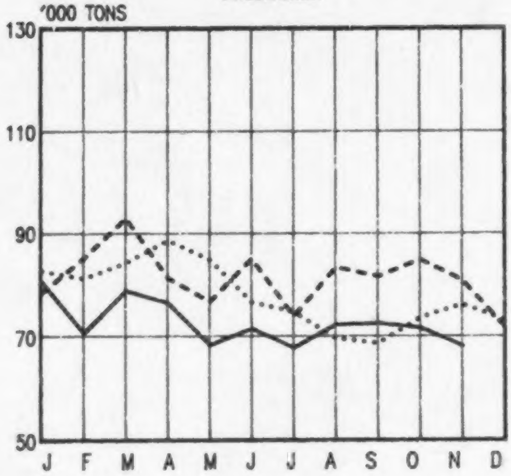
FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	63023	64843	4694	5271	5022	5320	62142	-5.9
Total Wood Pulp	49472	50822	3661	4073	3900	4110	48341	-6.6
Waste Paper	13551	14022	1033	1198	1122	1210	13802	-3.5
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	117	188	188	210	188	192	192	-1.7
Market Pulp at Pulp Mills	239	389	445	482	458	463	463	13.5
Mkt Pulp at Ppr. & Bd. Mills *	449	454	420	413	420	410	410	-11.2
Waste Paper at Paper &Bd. Mills	1008	1216	1077	1011	1018	967	967	-17.1
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	18	33	36	40	38	43	43	34.4

SOURCES: Wood Pulp Data, Pulp & Raw Materials Group, API. Waste Paper Data, Paper Recycling Committee, API
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

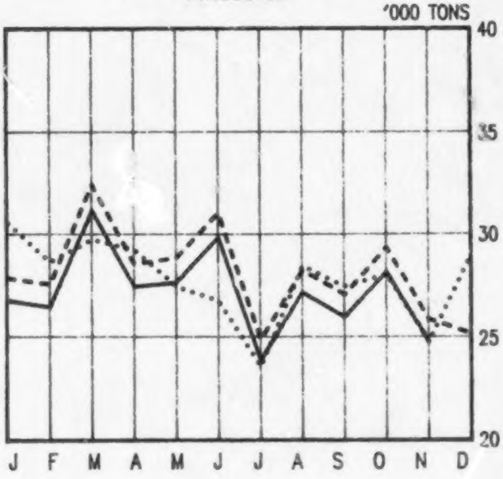
BLEACHED BRISTOLS

PRODUCTION



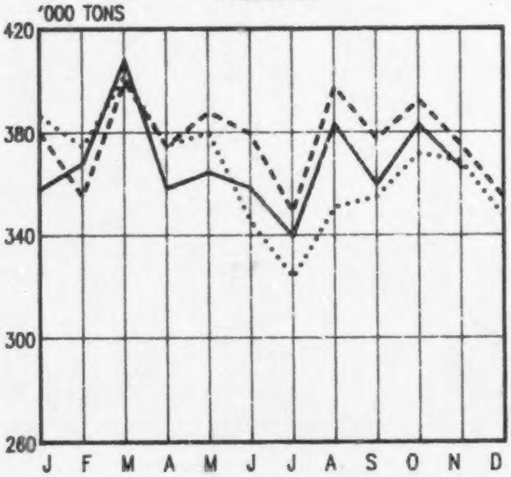
THIN PAPER

PRODUCTION



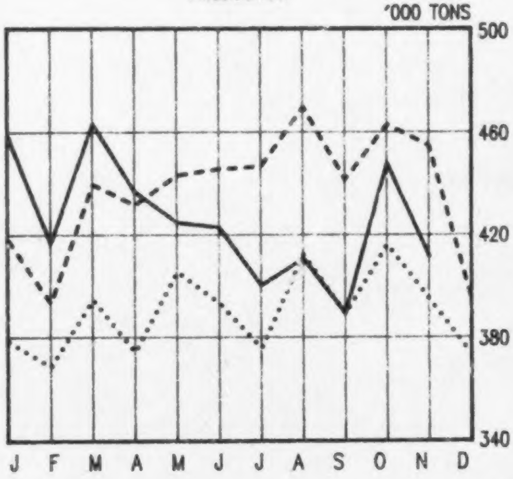
TISSUE PAPER

PRODUCTION



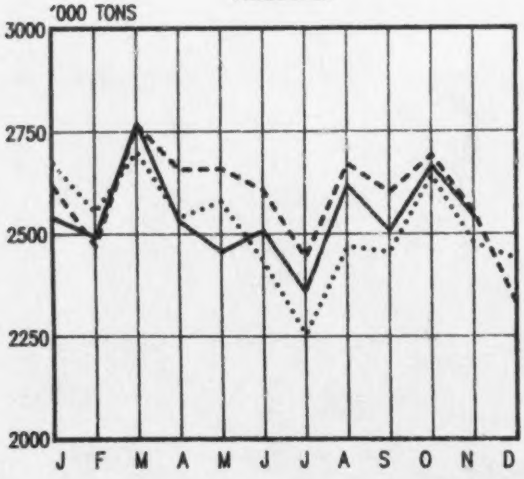
NEWSPRINT

PRODUCTION



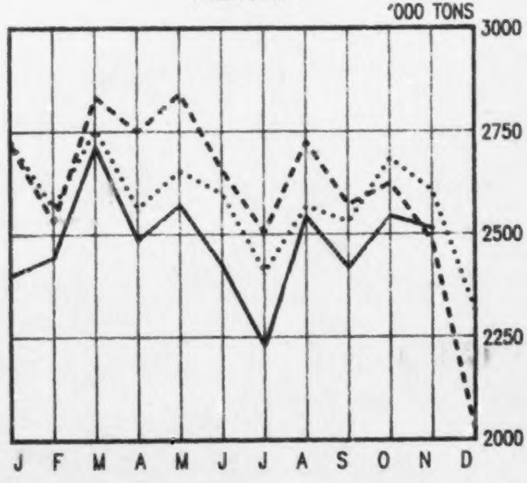
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1980 ········ 1981 ----- 1982 ———

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic Foot) Cords)

		YEAR 1980	YEAR 1981	JULY 1982	AUG. 1982	SEPT 1982	OCT. 1982	Annual Rate Y-T-D 1982	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	81805	79547	6644	6794	6676	6930	78938	-2.3
	- Total Consumpt.	79574	79747	6399	6758	6601	6891	79680	-1.8
	- Residues *	29402	30590	2596	2793	2750	2839	31102	-0.4
	- Inventories	6285	6045	5023	5156	5163	5329	5329	-9.3
So. Atlantic	- Total Receipts	26742	24681	1797	2036	2013	2141	23738	-5.2
	- Total Consumpt	25743	24815	1786	2090	1992	2142	23956	-5.3
	- Residues *	8776	8770	610	728	727	766	8215	-7.9
	- Inventories	1158	1051	921	977	1001	1013	1013	1.3
Northeast	- Total Receipts	7710	7803	655	641	577	626	7386	-6.3
	- Total Consumpt	7487	7712	584	595	568	633	7328	-6.6
	- Residues *	1649	1362	119	128	112	135	1423	2.6
	- Inventories	724	635	581	616	605	600	600	-14.8
South Central	- Total Receipts	27509	27744	2239	2184	2256	2339	26708	-4.8
	- Total Consumpt	27074	27687	2281	2230	2233	2254	27388	-2.8
	- Residues *	8001	8923	733	746	738	788	8599	-6.6
	- Inventories	1830	1825	1286	1270	1336	1424	1424	-7.9
North Central	- Total Receipts	5514	5650	505	518	469	481	5543	-1.7
	- Total Consumpt	5292	5708	479	510	474	474	5692	-0.7
	- Residues *	1361	1439	118	150	148	138	1434	-0.2
	- Inventories	1210	1106	858	880	842	839	839	-25.0
West	- Total Receipts	14330	13669	1448	1415	1361	1343	15563	9.8
	- Total Consumpt	13978	13825	1269	1333	1334	1388	15317	8.4
	- Residues *	9615	10096	1016	1041	1025	1012	11430	11.2
	- Inventories	1363	1428	1377	1413	1379	1453	1453	-6.2

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 1981 Tons	YEAR 1981 $000	AUG. 1982 Tons	AUG. 1982 $000	SEPT 1982 Tons	SEPT 1982 $000	Annual Rate Y-T-D 1982	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic Feet)	168317	9876	4884	214	7682	549	92965	-44.7
Pulpwood Chips	1684950	51394	130813	3485	133672	4026	1744036	2.7
Wood Pulp, Total	3800713	1648868	333827	134110	296132	117763	3373603	-12.8
Waste Fibrous Materials, Total	120498	21239	12228	2460	12486	2495	124599	1.8
Paper, Board & Products, Total	8037877	3282788	627719	258156	619274	257956	7615753	-4.1
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	8001585	3219080	623789	252014	615215	251482	7573454	-4.2
Paper Paperboard & Products	7675713	3210134	580607	248619	561779	246633	7238499	-4.1
Paper & Paperboard, Only	7639420	3146427	576678	242477	557720	240160	7196200	-4.2
Paper, Total	7509823	3112917	567344	240251	545987	237447	7095394	-3.8
Newsprint	6935975	2807549	508361	208925	483547	204243	6449907	-5.4
Printing, Writing & Rel.Pap.	482408	242844	52276	26259	55322	28317	572388	25.6
Pack. & Ind. Conv. Paper	82414	54433	5972	4337	6466	4333	65480	-26.5
Special Industrial Paper	2279	3638	220	385	187	268	1766	-28.4
Tissue Paper	6748	4452	516	345	465	287	5853	-9.6
Paperboard, Total	129597	33510	9334	2227	11733	2713	100806	-27.0
Convtd Paper&Paperbd Products	36292	63708	3929	6142	4052	5474	42299	25.2
Wet Machine Board	1064	573	75	43	139	84	1141	7.0
Construction Paper & Board	361101	72080	47036	9494	57356	11238	376113	-4.9

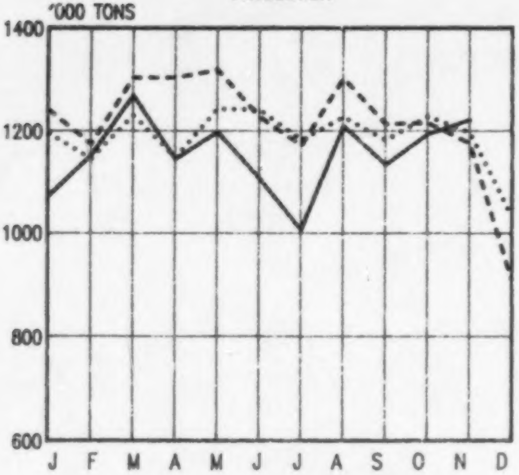
EXPORTS TO CANADA

	YEAR 1981 Tons	YEAR 1981 $000	AUG. 1982 Tons	AUG. 1982 $000	SEPT 1982 Tons	SEPT 1982 $000	Annual Rate Y-T-D 1982	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic Feet)	185312	10444	10196	654	7786	534	112028	-34.2
Pulpwood Chips	38471	1525	777	35	145	7	24597	-36.7
Wood Pulp, Total	118921	56740	9567	4605	8552	4036	114081	-11.7
Cotton Pulp & Other Pulp	5900	3660	396	272	811	450	6280	-4.3
Waste Paper	356523	41185	22581	2603	22556	2622	254304	-32.5
Paper, Board & Products, Total	695992	504904	43780	33388	56834	42658	525986	-29.0
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	527486	365270	29259	20332	30863	21994	364689	-35.6
Paper, Paperboard & Products	656327	489675	41923	32558	54823	41704	503675	-27.8
Paper & Paperboard, Only	487822	350041	27402	19502	28852	21040	342378	-34.6
Paper, Total	278136	247806	12803	13202	14536	14038	182870	-38.5
Newsprint	8435	6155	230	192	302	171	2897	-69.6
Printing, Writing & Rel.Pap.	162623	134132	7406	6458	9054	7170	108225	-38.7
Pack. & Ind. Conv. Paper	24365	17449	2079	1249	1738	1271	19203	-23.6
Special Industrial Paper	75854	84471	2946	5139	3201	5179	48958	-37.5
Tissue	6858	5600	143	164	242	248	3482	-55.5
Paperboard, Total	209686	102235	14598	6300	14316	7002	159509	-29.4
Convtd Paper&Paperbd Products	168505	139634	14521	13056	25971	20664	161297	-7.3
Wet Machine Board	7201	4215	257	192	424	269	4833	-30.6
Construction Pap & Bd. E	32464	11014	1600	638	1588	684	17477	-51.8

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

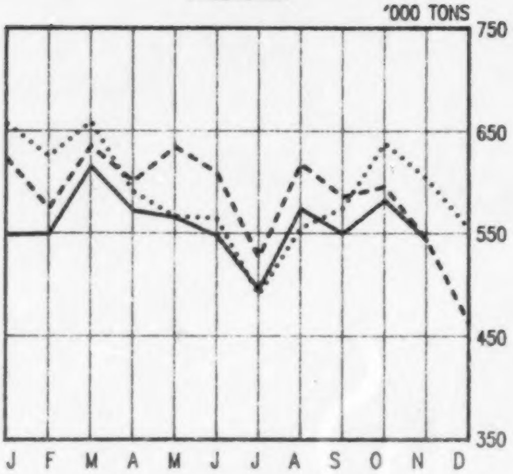
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



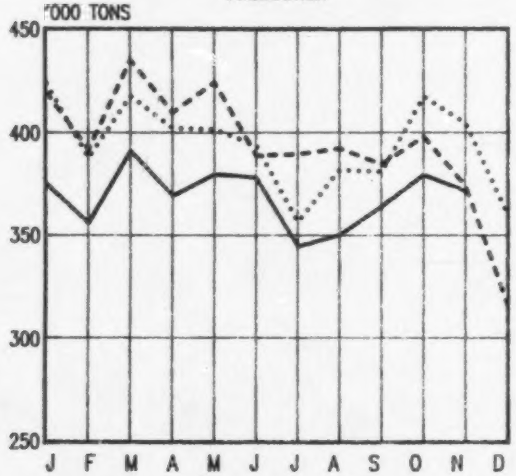
RECYCLED PAPERBOARD

PRODUCTION



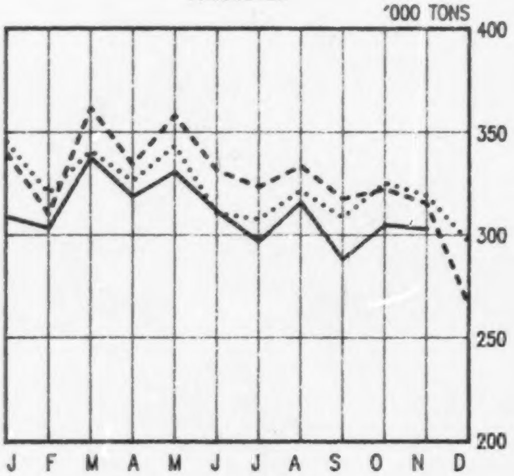
SEMICHEMICAL PAPERBOARD

PRODUCTION



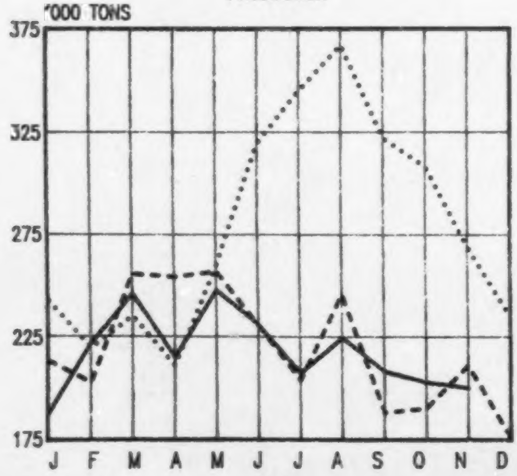
SOLID BLEACHED PAPERBOARD

PRODUCTION



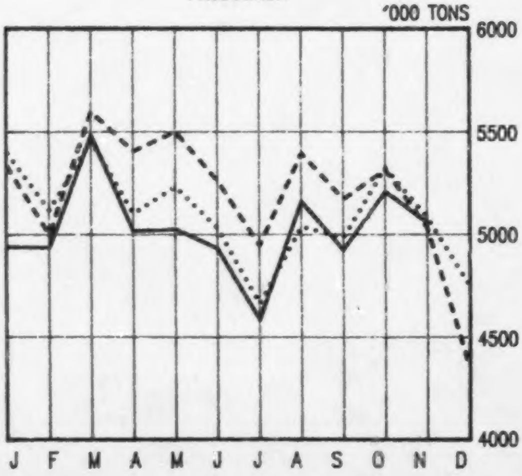
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1980 ······· 1981 - - - - 1982 ——

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 1981 Tons	YEAR 1981 $000	SEPT 1982 Tons	SEPT 1982 $000	OCT. 1982 Tons	OCT. 1982 $000	(1) Annual Rate Y-T-D 1982	% Change From same Period Last Year
Pulpwood, Roundwood (cords)	168331	9876	7682	549	6265	339	91176	-48.3
Pulpwood Chips	1684969	51400	133673	4027	120757	3749	1718863	0.5
Total All Imports	12559288	5469721	973953	423454	1054378	445201	11796302	-7.0
Wood Pulp, Total	4086698	1764289	303571	120260	302635	114685	3620183	-13.8
Waste Paper	79064	13405	6528	782	6924	902	70768	-12.4
Other Fibrous Materials	54376	19535	7200	2392	4639	1735	70539	30.6
Paper, Board & Products, Total	8339150	3672493	656654	300020	740180	327879	8034813	-3.8
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	8244942	3361888	646333	268078	731750	303151	7928000	-4.0
Paper, Ppbd & Prds ex Cnst&WMB	7940970	3592969	594334	287715	690524	317360	7599572	-4.1
Paper & Paperboard, Only	7846763	3282364	584014	255773	682094	292631	7492759	-4.3
Paper, Total	7716285	3247847	572095	252874	668806	289358	7384828	-4.0
Newsprint	6977118	2824777	488902	206350	586797	246721	6558812	-5.7
Printing & Writing	638538	347116	74805	40046	74501	37279	740897	17.7
Uncoated Groundwood	458915	219697	46865	22995	49431	22129	495062	8.3
Uncoated Book	114422	64874	14237	8107	12767	6848	142434	31.5
Coated Print.& Impres. Pap	39321	28765	9558	5884	8725	5561	67109	72.2
Bristols	910	656	1	1	62	67	368	-60.1
Writing and Similar Paper	12955	15478	2937	1907	2562	1726	25133	98.5
Thin (except Cigarette)	12015	17347	1208	1151	954	949	10792	-3.7
Total Pkg & Other Paper	93588	71124	7872	6135	6846	4821	77990	-21.3
Unbleached Kraft Paper	32532	14870	1885	749	2323	962	22349	-37.5
Other Pkg. & Indust. Paper	61056	56254	5987	5387	4523	3859	55641	-12.2
Tissue	7040	4830	516	342	662	537	7128	-0.0
Paperboard, Total	130478	34518	11319	2900	13289	3273	107931	-22.6
Test or Containerboard	48169	12071	3287	700	4588	1160	32033	-40.5
Semi-Chemical Corrugating	52476	11695	6118	1235	5530	1076	45436	-16.5
Other Paperboard	29832	10751	2535	965	3170	1037	30462	-2.2
Convtd Paper&Paperbd Products	94208	310605	10321	31941	8430	24729	106813	13.8
Paper Products, Total	86676	294479	8620	28429	7123	21761	92420	6.7
Paperboard Products, Total	7531	16126	1700	3513	1307	2967	14394	96.2
Wet machine Board	1684	1185	151	92	130	80	1730	-0.6
Construction Paper & Board	396496	78338	62169	12213	49525	10439	433511	0.8
Notes								
Other: No Weight Avail. ($000)		109042		11769		11025	122387	9.1
Total Imports Incl. Other($000)		5578763		435223		456227	5388066	-3.9

EXPORTS

	YEAR 1981 Tons	YEAR 1981 $000	SEPT 1982 Tons	SEPT 1982 $000	OCT. 1982 Tons	OCT. 1982 $000	(1)	
Pulpwood, Roundwood (cords)	188598	10555	8866	601	10709	829	118470	-34.5
Pulpwood Chips	3846049	314037	247196	19878	225748	19364	2953582	-25.6
Total All Exports	10663146	4905814	869338	361714	824004	335371	10142815	-6.7
Wood Pulp, Total	3677633	1661311	298395	119962	236658	91516	3434833	-7.5
Cotton Pulp and Other Pulp	131910	85195	9736	6094	7406	4683	106370	-20.1
Waste and Old Paper	2212549	268526	182674	20595	206635	22464	2288750	0.8
Paper, Board & Products, Total	4641054	2890782	378533	215063	373305	216709	4312861	-9.1
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	4033988	2079937	321487	139223	302655	133709	3743439	-9.3
Paper, Ppbd & Prod ex Cnst&WMB	4561410	2853148	374729	212718	368951	214354	4253544	-8.8
Paper & Paperboard, Only	3954344	2042303	317683	136878	298301	131354	3684122	-9.0
Paper, Total	1008409	946775	69297	51995	66220	52429	883859	-12.9
Newsprint	270460	139702	25166	10839	26014	11016	324979	24.4
Printing & Writing	383317	354608	21209	19815	20874	19596	256367	-35.1
Uncoated Groundwood	119673	91966	5211	4338	2836	2901	60673	-51.2
Clay Coated Paper	88597	78328	7744	5635	8802	6932	83236	-7.1
Uncoated Free Sheet	116752	119591	4821	5624	6434	6138	72954	-39.5
Other Printing & Writing	58295	64723	3433	4217	2803	3626	39504	-34.5
Total Pkg. & Other Paper	302887	304623	21554	19832	17626	20117	278150	-8.2
Unbleached Kraft	110801	50980	10735	4415	7605	3028	92499	-15.5
Other Pkg. & Indust. Paper	192086	253643	10820	15416	10022	17089	185651	-4.0
Tissue	51745	47842	1368	1509	1706	1700	24363	-56.7
Paperboard, Total	2945935	1195528	248385	84883	232081	78925	2800263	-7.6
Solid Wood Pulp	2772413	1110744	231288	77821	221056	73222	2650010	-7.1
Total Linerboard	1973487	660285	182956	47936	168946	41360	1922611	-8.0
Bleached Kraft Linerboard	151979	52546	6847	2168	4920	2103	61669	-60.5
Unbleached Kraft Linerbd	1821509	607739	176109	45768	164026	39257	1860942	-1.5
Other Unbleached Kraft	148855	63341	5576	3073	6881	3094	139431	-8.1
Other Bleached Kraft	584250	367530	38177	25661	40664	27430	528019	-10.5
Semi-Chemical Corrugating	65821	19588	4580	1152	4565	1338	59949	-6.0
Recycled Paperboard	173522	84784	17098	7062	11024	5704	150253	-16.6
Convtd Paper&Paperbd Products	607066	810845	57046	75841	70650	83000	569422	-7.8
Paper Products, Total	362337	580602	25716	50271	29687	49612	322540	-11.6
Paperboard Products, Total	244729	230243	31330	25570	40964	33388	246883	-2.2
Wet Machine Board	10812	7039	748	462	913	466	10864	-0.4
Construction Paper & Board E	68832	30595	3057	1883	3441	1889	48453	-31.9
Notes								
Other: No Weight Avail. ($000)		11235		715		679	9517	-6.9
Total Exports Incl. Other($000)		4917049		362429		336050	4412507	-11.6

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES

1967 = 100

	1980	1981	AUG.	SEPT	OCT.	NOV.	Annual Rate Y-T-D 1982	% Change From Same Period Last Year
Pulp, Paper and Products except Building Grades	250.6	270.8	272.6	271.8	270.4	269.9	273.7	1.2
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	251.3	272.4	275.3	274.4	273.0	272.5	276.4	1.5
Total Wood Pulp	380.3	387.1	369.2	367.2	352.5	349.4	382.7	-3.3
Total Paper	256.8	279.8	286.1	286.0	285.6	281.7	287.2	2.9
Total Paper, exc. Newsprint	249.3	271.1	276.8	276.4	276.2	276.1	278.8	3.1
Newsprint	279.7	307.5	318.4	318.4	318.4	303.7	317.6	3.6
Total Paperboard	234.6	258.1	255.5	250.7	248.0	247.6	255.9	-0.6
Total Paper and Paperboard #	249.9	273.1	276.7	274.9	273.9	271.0	277.4	1.8
Converted Products	238.5	258.8	264.4	264.2	263.9	265.0	264.4	2.3
Waste Paper	209.7	175.7	116.0	116.0	116.0	116.0	121.6	-31.9
All Commodities	268.8	293.4	300.4	299.5	299.9	300.4	299.2	2.1
Industrial Commodities	274.8	304.1	313.4	312.9	314.4	315.1	312.1	2.8

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Continued from page 2

upward in October and November, with the level at the end of November equivalent to 7.5 weeks of supply. However in terms of both weeks of supply and actual tonnage levels, the rates were below those reached at the end of August.

Boxboard production for domestic use continued a steady trend. Total production of boxboard for domestic use in November 1982 was 2.6% below its year-ago level. For the entire January-November 1982 period, the rate of production was 5.3 million tons per year, 6.7% below its comparable year-ago rate. Production of folding boxboard for domestic use in the first eleven months of 1982 was 6.3% below its comparable year-ago figure.

Folding boxboard exports, which accounted for nearly 3% of the total, were 27% below their year-ago total. Most of these exports were solid bleached board, which showed a 26% decline over this period. Among the bleached board grades, production of milk carton board showed strength in November, moving 13% above its year-ago level. However, for the first eleven months of 1982, the production of milk carton board for domestic use was about 6½% below its year-earlier total, as was total production of all milk carton and food serve board.

Among the non-packaging boxboard grades, both wallboard, facings--used largely in residential construction--and panel board--used largely in automobiles--moved above their respective year-ago levels in November 1982. The November strength may have reflected the better trends in both housing starts and autos. For the entire January-November 1982 period production of these grades was down about 3½%.

Continued on page 11

Continued from page 10

Imports and Exports

Exports of paper plus paperboard, as reported by the Bureau of Census, have been moving in the relatively narrow range of 295,000 to 331,000 tons per month since the end of the first quarter of the year. The October total was reported at 298,000 tons. The year-to-date total for the entire January-October period was at an annual rate of 3.68 million tons, 9.0% below the comparable 1981 total.

With the exception of newsprint, all the major grades of paper and paperboard were below their year-ago totals. Total paper exports, for example, were down by 12.9%; paperboard, as reported by Commerce, 7.6%. Newsprint exports were up 24.4% in this period, reflecting both the impact of the increased U.S. capacity and the tie-in of some of the new capacity with foreign companies. Although Census reported a 7.6% decline in total paperboard exports, their reported total of unbleached kraft linerboard exports in the January-October period was in line with that shown by the API in its data on production of unbleached kraft linerboard for export. The ten months Census figure showed a 1.5% decline; the API data showed a 1.8% decline.

Total exports of paper, paperboard and products, including construction grades, as reported by Census were 9.1% below its year-ago level for the first ten months of 1982.

Imports of paper, paperboard and products, including the construction grades, were down 3.8% in the first ten months of 1982. Imports in October, however, were fairly strong: at 740,000 tons they were second only to the 746,000 tons imported in May and well above the 660,000 tons per month average of the August-September period. The October gain was paced by a strong increase in newsprint imports. Newsprint imports in October, at 587,000 tons, were second only to the 620,000 tons imported in May. For the first ten months as a whole, newsprint imports were at annual rate of 6.6 million tons, 5.7% below the comparable 1981 total.

Imports of printing and writing papers were 17.7% above the comparable year-ago total in the first ten months of 1982. Imports of uncoated groundwood accounted for about 67% of the total, and were 8.3% over their year-ago level. These imports accounted for 26% of the new supply of the uncoated groundwood paper in this period. Coated paper imports showed a strong gain of 72.2% in this period: however these imports only amounted to 67,000 tons a year, about 1% of the total new supply.

Imports of paperboard were down sharply, with the ten-month total averaging 108,000 tons per year, 22.6% below their year-ago level.

Continued on page 12

Continued from page 11

Capital Expenditures

The Department of Commerce has recently released new data on capital expenditures by U.S. industry. Commerce reported that such expenditures as a whole are weakening, with the 1982 total for all non-farm business down one-half percent in current dollars from 1981 outlays,(4.8% decline in constant dollars). The Department of Commerce further reported that expenditures for new plant and equipment by U.S. non-farm business in the first half of the 1983 will run below comparable 1982 levels in both current and constant dollars.

Companies classified in the paper industry reported lower capital expenditures than reported in previous surveys. For 1982 as a whole, capital expenditures by paper companies were revised downward to $5.96 billion from the previously reported $6.28 billion. This brought the 1982 level, in current dollars, 11.3% below the 1981 level and 12.4% below the all time high reached in 1980. In terms of constant dollars, the paper industry capital expenditures are estimated at 14% below their year-ago level for 1982 as a whole and 20% below their 1980 high. While Commerce did not show 1983 capital expenditures in terms of constant dollars for the paper industry separately, it did report that seasonally adjusted capital expenditures in current dollars by paper and allied products companies in the first half of 1983 would average $5.89 billion per year, 2.6% below the first half 1982 rate but roughly the same as second half 1982 rate.

Data by the Conference Board on the capital appropriations for those paper and allied products companies included in the thousand largest U.S. corporations showed appropriations sharply below their first quarter total of $2.1 billion in the second and third quarters of 1982: $465 million in the second quarter and $556 million in the third. Nonetheless, for the first three quarters the annual rate was over $4 billion second only to the 1981 high. These companies spent nearly $900 million per quarter on capital equipment in the first three quarter of the year, which after adjustments for cancellations, were at the rate of $520 million per year below appropriations. As a result, the closing backlog of unspent capital appropriations as of the end of the third quarter of 1982 amounted to $5.5 billion, equivalent to 1½ years of capital expenditures.

These figures suggest that while paper and allied products companies will probably spend a little less on new plant and equipment in 1983 than they did in 1981 or 1982, their total capital expenditures will still be maintained at a relatively high level.

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

DECEMBER 20, 1982

	PRODUCTION (000 TONS)					
	Nov. 1982	Oct. 1982	Nov. 1981	Jan - Nov. 1982	Jan - Nov. 1981	% Change 82/81
PAPER GRADES	P	R				
Newsprint	411	448	454	4678	4843	-3.4
Printing & Writing	1307	1383	1264	14391	14550	-1.1
Uncoated Groundwood (s)	123	139	118	1331	1349	-1.3
Coated Paper (s)	431	447	399	4632	4550	1.8
Uncoated Free Sheet Paper (s)	651	688	630	7220	7323	-1.4
Thin Paper (s)	25	28	26	299	311	-4.0
Cotton Fiber Paper (s)	10	10	11	113	115	-2.2
Bleached Bristols (s)	68	71	81	796	902	-11.7
Tissue Paper	366	383	375	4043	4163	-2.9
Total Pkg & Other Paper	457	451	458	4860	5157	-5.8
Unbleached Kraft Packaging & Indl. Converting (s)	327	315	328	3383	3603	-6.1
Other Paper *	130	135	130	1477	1553	-4.9
TOTAL PAPER	2541	2664	2551	27972	28713	-2.6
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1295	1277	1247	13660	14626	-6.6
Unbleached Kraft Linerboard	1220	1192	1174	12690	13630	-6.9
Other Unbl. Kraft Paperboard	75	85	73	970	995	-2.6
Semichemical Paperboard	371	379	374	4054	4403	-7.9
Bleached Paperboard	303	305	315	3416	3644	-6.3
Recycled Paperboard	543	581	543	6134	6538	-6.2
TOTAL PAPERBOARD	2511	2542	2478	27264	29211	-6.7
TOTAL PAPER AND PAPERBOARD	5053	5206	5029	55235	57925	-4.6

WOOD PULP (ALL GRADES)	Oct. 1982	Sept 1982	Oct. 1981	Jan - Oct. 1982	Jan - Oct. 1981	% Change 82/81
Dissolving & Special Alpha	96	79	110	928	1142	-18.7
Bleached Sulphite	105	95	119	1060	1191	-11.0
Unbleached Sulphite	31	29	35	288	334	-13.8
Bleached & Semi-Bl. Sulph.	1669	1565	1811	16573	16972	-2.4
Unbleached Sulphate	1559	1466	1648	15311	16695	-8.3
Semichemical	316	303	325	3145	3345	-6.0
Groundwood and Thermo-Mechanical	453	429	450	4300	4458	-3.6
TOTAL PULP DIVISION DATA	4228	3966	4498	41606	44137	-5.7

(s) - Shipments R - Revised E - Estimate
P - Preliminary * - Revised series based on A.P.I. data.

December 23, 1982

	Full Year		INDUSTRY DATA 1982 R	R	P	Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
PAPER AND PAPERBOARD -- Tons (000)	1980	1981	September	October	November		
Total Production (API).......| excluding |...	61147	62274	4922	5206	5053	60257	-4.6
Total Seasonally Adjusted....|construction|...			5137	5021	5076	59800	-4.6
Imports (including Products).| and wet |..E	8302	7491	594	661	N.A.	7618	-4.5
Exports (including Products).| machine |..E	5148	4561	375	369	N.A.	4249	-7.9
Apparent Consumption.........| grades |...	64301a	65204 b	5356	5343	5376	53194c	-4.4
Paper Production % Tonnage Capacity...........	92.5s	92.1Rs	84.1	86.8	85.1	86.5sh	-
Paperboard Production % Tonnage Capacity......	91.8s	90.6Rs	80.9	82.9	83.8	83.8s	-
			August	September	October		
IMPORTS.....|Including Construction and |.....	8778	8339	684	657	740	8035	-3.8
EXPORTS.....| WMB Grades (excl. HPB) |.....	5214	4641	335	379	373	4312	-9.1
MARKET WOOD PULP PRODUCTION - Tons (000)........	6486	6206	525	432	464	5767	-8.5
TOTAL WOOD PULP PRODUCTION - Tons (000)..(F)....	50737	52041	4226	3966	4228	49927	-5.7
WOOD PULP IMPORTS - TONS (000)..................	4051	4087	350	304	303	3620	-13.8
WOOD PULP EXPORTS - TONS (000)..................	3806	3678	279	298	237	3435	-7.6
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS | excluding |			August	September	October		
Wood Pulp............|consumption for|.....	49472	50822	4073	3900	4110	48341	-6.6
Waste Paper..........|construction & |.....	13551	14022	1198	1122	1210	13802	-3.5
TOTAL..........| WMB grades |.....	63023	64843	5271	5022	5320	62142	-5.9
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	79574	79747	6758	6601	6891	79680	-1.8
EMPLOYMENT (000)			September	October	November		
Paper and Allied Products..........Total......	692.8	687.8	659.0	649.8	650.7	660.1	-4.2
Pulp, Paper and Board Mills........Total.....E	268.4	266.6	255.2	249.9	250.3	255.6	-4.2
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products......................	7.84	8.60	9.63	9.52	9.60	9.29	8.5
Pulp, Paper Mills............................E	9.15	10.06	11.37	11.24	11.35	10.88	8.5
Paperboard Mills.............................E	9.28	10.23	11.67	11.41	11.62	11.08	8.7
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1982 Q2	1982 Q3	1982 Q4		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	6.80	6.72	6.04	6.16	5.65	5.96	-11.3
INDEX OF OUTPUT PER MAN-HOUR (1977=100)..........			September	October	November		
|IN PULP, PAPER |...Production Workers.........	108.1	109.0	114.8	116.4	115.5	111.5	2.0
|AND BOARD MILLS|...All Employees..............	106.6	107.9	113.3	113.8	113.2	109.5	1.2
PAPER AND ALLIED PRODUCTS (Million $)			August	September	October		
Industry Shipments (Dept. of Commerce)*.......	72731	79505	6549	6492	6447	78137	-1.6
Pulp, Paper and Paperboard*...................	31785	34260	2679	2740	2615	32605	-4.8
Inventories (End of Period) - Total Industry*.	7788	8825	8748	8831	8926	8926	3.0
Pulp, Paper and Paperboard*...................	2931	3461	3618	3638	3693	3693	14.8
			1982 Q1	1982 Q2	1982 Q3		
Sales (Corporations Only, FTC)................	56250	62699RS	15125	15316	14813	60472	-4.1
Earnings (Corporations Only, FTC).............	2800	3110RS	418	436	408	1683	-44.7
Depreciation (Corporations Only, FTC).........	2026	2267RS	580	602	602	2379	4.4
Net Worth (Corporations Only, FTC)............	24396	26558RS	26825	26897	26795	26795	2.6
PRICE INDEXES (Bureau of Labor Stats)1967=100			September	October	November		
Pulp, Paper & Products, ex. Building Grades...	250.5	270.8	271.8	270.4	269.9	273.7	1.2
Wood Pulp.....................................	380.3	397.1	367.2	352.5	349.4	382.7	-3.3
Waste Paper...................................	208.7	175.7	116.0	116.0	116.0	121.6	-31.9
Paper...	256.8	279.8	286.0	285.6	281.7	287.2	2.9
Paperboard....................................	234.6	258.1	250.7	248.0	247.6	255.9	-0.8
PAPER DEMAND (INDEXED: 1967=100)			September	October	November		
Total Paper Production *......................	143.9	148.4	149.2	147.5	146.6	145.1	-2.6
Paper New Supply *............................	136.1	137.9	136.1	138.9	136.1	134.6	-2.8
Total End - Use Index *.......................	146.3	150.3	149.8	148.5	148.7	149.5	-0.5
Production of Nondurable Goods *...(19%)..	161.2	164.7	156.9	156.3	156.0	156.2	-5.5
Disposable Income (Constant $) *...(23%)..	151.0	154.3	157.7	157.4	157.4	157.3	2.0
Total Printing and Publishing *...(58%)..	139.5	144.0	144.3	142.4	142.8	144.3	0.3
Trend Factor	-------------------------Not Available-------------------------						
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *................	135.4	137.1	133.2	128.7	132.3	128.9	-6.7
Production for Domestic Use	128.3	132.9	129.6	125.1	129.1	124.5	-7.1
Total End - Use Index *.......................	146.1	149.3	139.1	138.1	137.4	139.9	-6.7
Production of Consumer Goods *...(60.49%)	145.4	147.8	143.3	142.3	141.6	142.8	-3.7
Production of Equipment *...(6.62%)	145.2	151.8	135.0	133.6	133.4	140.0	-7.7
Production of Materials *...(32.89%)	147.6	151.5	132.2	131.2	130.4	134.5	-11.9
Trend Factor	-------------------------Not Available-------------------------						
NEWSPRINT MARKETS			August	September	October		
Consumption by Publishers - Tons (000)........	11121	11205	886	920	1023	10996	-0.6
Newspaper Pub. and Printing Empl. Total(000)..	422.8	421.9	423.5	423.3	424.2	424.5	0.9
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	118372	123182	7379	11403	11803	117021	-1.6
WHOLESALERS SALES AND INVENTORIES (Million $)(J)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	21296	24381	2123	2085	2033	24553	0.4
Inventories (End of Period)	1849	2095	2199	2092	2104	2104	0.8
FIBRE BOX DATA (Fibre Box Association)			September	October	November		
Fibre Box Shipments (Million square feet)......	241376	246152	20635	21042	19043	237031	-4.9
Container'bd Inventory at Mill & Plant(000Tons)	1984	2729	2393	2424	2460	2460	-5.5
RETAIL TRADE (Million $)							
Total Retail Sales *..........................	953984	1044587	89326	89858	91911	1065240	2.0
Nondurable Goods Stores Sales *...............	656231	716262	61828	62097	62324	735157	2.6
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	147.0	150.9	137.3	136.2	135.6	139.1	-8.3
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	268.8	293.4	299.5	299.9	300.4	299.2	2.1
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	246.8	272.4	293.3	294.1	293.6	288.8	6.4
			August	September	October		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	313.5	333.4	333.8	335.9	334.9	334.9	1.9
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1982 Q1	1992 Q2	1982 Q3		
G.N.P. or Expenditure - Current $.............	2633.1	2937.7	2995.5	3045.2	3088.2	3043.0	4.4
G.N.P. or Expenditure - 1972 $................	1474.0	1502.6	1470.7	1478.4	1481.1	1476.7	-2.0

lb/capita

	Par&Parbd		Othr		Totl	Popul(mil)
.a -	565	+	26	=	591	227.7
.b -	571	+	21	=	592	229.7
.c -	545	+	15	=	560	232.0

.E - Last month estimated by API
.e - estimated by API

s - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
J - Census unpublished data: standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter

R - Revised
RS - Revised Series
y - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted

A2500-2 2/7/83

Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 61 No. 1

JANUARY, 1983

PAPER AND PAPERBOARD: 1982 TRENDS

An unusually large number of mill and machine shutdowns for vacation and maintenance at the end of 1982 brought the trend position of production (the 2-month average of the seasonally adjusted data) below the 60-million tons per year level for the first time since August. The trend paper and paperboard through 1982 could well be likened to the profile of a suspension bridge: rising in the first quarter; falling in the second; rising again in the third; and tilting downward again towards the end of the fourth.

This production trend reflected the general pattern of business, although with slight differences in timing. The real gross national product (real GNP), which measures the total output of goods and services on a constant dollar basis, moved downward in the first quarter of 1982, rose slightly in the next 2 quarters, only to fall again in the last quarter. Manufacturing production, a measure of trends in the markets for paper and paperboard packaging, moved downward throughout the year, with its fourth quarter average 4% below that of the first quarter. The fourth quarter 1982 level of real GNP was fractionally above its first quarter level but 1.2% below that of the fourth quarter of 1981, a pattern almost matched by the trend of paper and paperboard production.

For 1982 as a whole, paper and paperboard production amounted to 59.4 million tons, 4.3% below the revised 1981 total of 62.1 million tons. Real GNP was down 1.8%, but manufacturing production showed an 8.6% decline. Manufacturing of non-durable goods, however, which include the largest markets for paper and paperboard packaging, showed only a 5.3% decline.

Continued on Page 2

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Continued from Page 1

The table below shows the 1982 monthly trend of paper and paperboard production:

Paper and Paperboard Production Trends*
(Million tons per year)

January	58.9	May	58.1	September	60.5
February	60.9	June	57.4	October	60.8
March	61.4	July	57.7	November	60.5
April	59.8	August	58.9	December	59.3

*2-month average of the monthly seasonally adjusted data centered on the second month.

The demand for domestic production of paper and paperboard is, of course, also affected by trends of imports and exports. One grade, newsprint, accounted for 87% of the total imports of paper plus paperboard in 1982 and 81% of the total of all paper and paperboard imports including converted products and construction paper and paperboard. The rising trend of domestic newsprint capacity has affected the demand for imported newsprint; the 11-month 1982 import rate, at 6.58 million tons per year, was 6.0% below the corresponding 1981 rate. Some of the increase in domestic newsprint capacity was involved in foreign ownership, so that exports of newsprint in the first 11 months of 1982, at 314,000 tons per year, were 15.5% above their year ago level.

Imports of uncoated groundwood papers now comprise an important share of the total new supply of this grade (new supply is production plus imports less exports). At 516,000 tons per year, the 11-month 1982 import rate was 12% above its corresponding 1981 rate and accounted for about 27% of total new supply.

Kraft linerboard, is by far, the largest single export grade. In 1982, the API and Bureau of Census came up with virtually the same export total for this grade: The Census rate for the first 11 months of 1982 was 1.9 million tons per year, matching the API figure which reports linerboard production for export. However API reported that the 1982 rate was off only 1% from its 1981 level, while the Bureau of Census reported a larger decline because its 1981 figure was higher.

Continued on Page 11

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

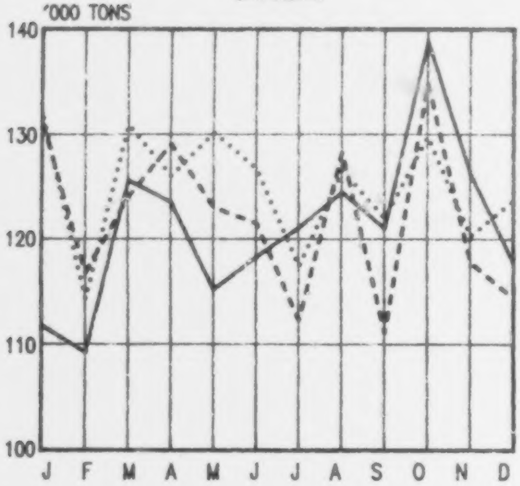
	YEAR 80	YEAR 81	SEPT 82	OCT. 82	NOV. 82	DEC. 82	Annual Rate Y-T-D 82	% Change from same Period Last Year
PAPER					R	P		
Newsprint - Production	4672	5239	389	448	411	363	5041	-3.8
- Shipments	4667	5220	389	439	429	381	4988	-4.4
Printing & Writing	15577	15736	1320	1383	1337	1212	15632	-0.7
Groundwood Paper - Shipments	1498	1463	121	139	126	118	1452	-0.8
- New Orders	1475	1449	125	131	121	115	1452	0.2
- Unfilled Orders	110	100	104	99	93	91	91	-3.6
Coated Paper - Shipments	4673	4940	433	447	433	399	5032	1.9
- New Orders	4753	4853	407	446	413	411	4956	2.1
- Unfilled Orders	391	360	285	282	272	283	283	-21.6
Unctd Free Sheet - Shipments	8016	7898	658	688	670	598	7837	-0.8
- New Orders	7726	7735	640	684	652	608	7743	0.1
- Unfilled Orders	548	370	285	275	259	265	265	-28.3
Thin Paper - Shipments	333	336	26	28	25	24	323	-4.0
Cotton Fiber Paper - Shipments	126	125	11	10	9	9	121	-2.6
Bleached Bristols - Production	932	974	72	71	74	66	868	-10.9
Tissue Paper - Production	4375	4518	359	383	366	345	4388	-2.9
Total Packaging & Other Paper *	5571	5402	427	445	444	370	5107	-5.5
Unbl. Kraft Paper - Shipments	3962	3725	296	309	315	270	3530	-5.2
Other Paper - Production *	1609	1678	130	135	130	100	1577	-6.0
TOTAL PAPER-Production-Unadj.	30195	30894	2495	2658	2558	2290	30165	-2.3
-Production-S.A.			2594	2568	2376	2442	30201	-2.3
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	23881	24231	1867	1961	1949	1571	22682	-6.4
Unbl. Kraft Linerboard (1)	14232	14540	1132	1192	1204	915	13589	-6.5
Production for Export	2380	1887	154	148	145	136	1871	-0.8
Other Unbl. Kraft Paperboard	1063	1062	84	85	74	61	1030	-3.1
Semichemical Paperboard	4723	4719	364	379	370	328	4381	-7.2
Production for Export	322	155	14	14	15	13	179	15.1
Solid Bleached Paperboard	3862	3910	288	305	301	268	3682	-5.8
Production for Export	545	557	38	39	38	41	514	-7.7
Recycled Paperboard	7071	7001	549	581	538	464	6593	-5.8
Production for Export	83	24	1	1	1	1	15	-38.9
TOTAL PAPERBOARD-Prod.-Unadj.	30952	31232	2416	2542	2487	2035	29275	-6.3
Containerboard Prod.(Dom. Use)	18070	19040	1475	1573	1564	1214	17675	-7.2
Boxboard Prod.(Dom. Use) (2)	5477	5544	426	447	424	363	5196	-6.3
All Other P'bd Prod.(D.U.) (2)	4075	4026	308	320	300	265	3826	-5.0
Total Paperbd Prod. for Export	3329	2622	207	202	199	192	2578	-1.7
TOTAL PAPERBOARD PROD. - S.A.			2533	2447	2492	2372	29313	-6.2
TOTAL PAPER AND PAPERBOARD Production - actual	61147	62126	4911	5200	5046	4325	59444	-4.3
Production - S.A.			5127	5015	5069	4813	59514	-4.3

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

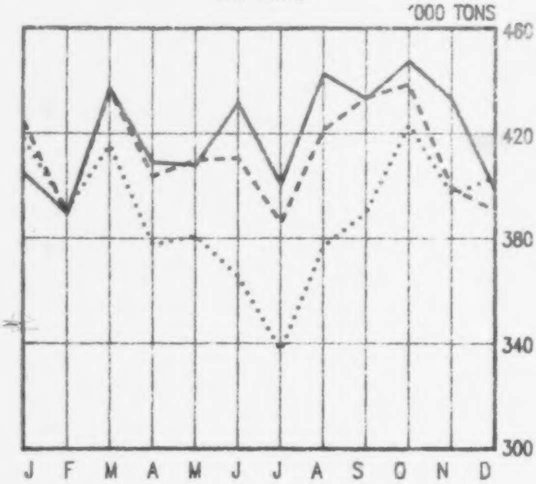
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



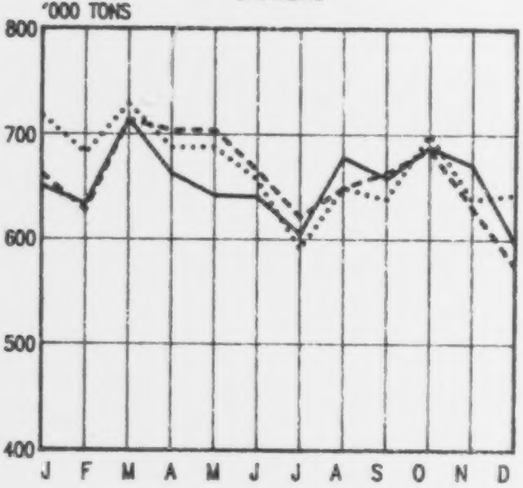
COATED PAPER

SHIPMENTS



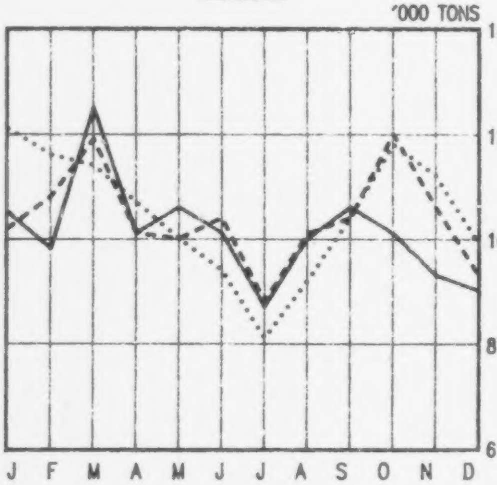
UNCOATED FREE SHEET PAPERS

SHIPMENTS



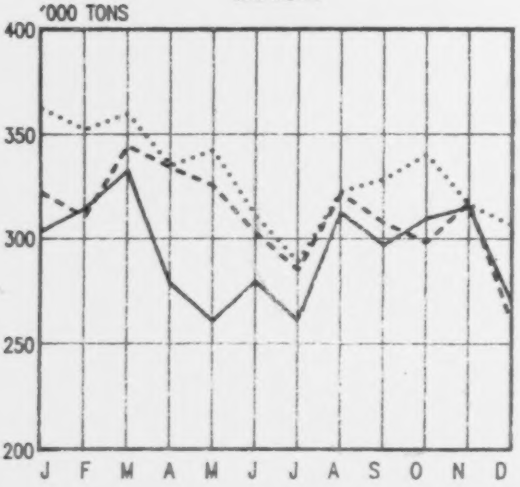
COTTON FIBER PAPER

SHIPMENTS



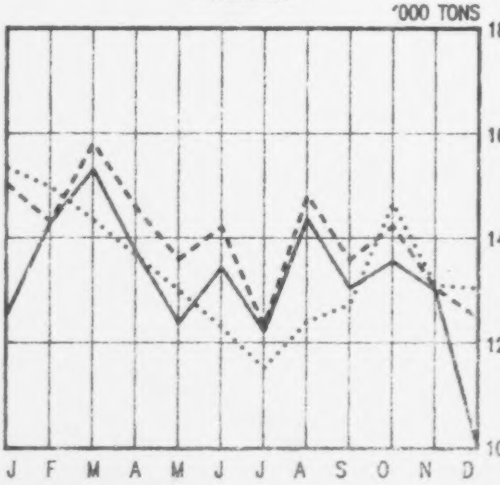
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1980 ········ 1981 ----- 1982 ——

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 80	81	AUG. 82	SEPT 82	OCT. 82	NOV. 82	Annual Rate Y-T-D 82	% Change from same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	50737	52041	4226	3966	4225	4211	49979	-5.4
- Imports	4051	4087	350	304	303	375	3700	-11.2
- Exports	3806	3678	279	298	237	247	3392	-7.5
- New Supply	50982	52450	4297	3972	4291	4339	50288	-5.7
Dissolving Pulp - Production	1508	1353	100	79	96	99	1120	-19.0
- Imports	263	249	21	11	19	19	193	-24.4
- Exports	769	784	60	52	50	55	633	-17.0
- New Supply	1002	817	61	38	65	62	680	-22.4
Paper Grades Chemical Pulp - Production	40436	41445	3436	3155	3361	3410	39972	-5.1
- Imports	3615	3655	315	276	269	331	3331	-10.3
- Exports	2956	2870	214	243	183	191	2736	-5.2
- New Supply	41095	42230	3536	3188	3446	3550	40566	-5.6
Groundwood and Thermo-Mech. - Production	4767	5320	403	429	453	409	5137	-3.9
- Imports	173	183	14	16	15	25	176	-9.3
- Exports	81	24	4	3	3	0	23	5.6
- New Supply	4859	5478	413	442	465	434	5291	-4.1
Semi-Chemical - Production	4026	3924	286	303	316	293	3751	-5.7
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp ------	
New Supply	4026	3924	286	303	316	293	3751	-5.7
MARKET WOOD PULP								
Total Market Wood Pulp - Production	6486	6206	525	432	462	512	5798	-8.2
- Imports	2947	2924	194	173	215	214	2421	-17.5
- Exports	3513	3352	267	274	226	209	3056	-7.1
- New Supply	5919	5777	452	331	451	518	5163	-13.4
Dissolving Pulp - Production	1506	1352	100	78	96	98	1119	-19.0
- Imports	235	241	22	12	18	21	197	-20.2
- Exports	876	787	56	75	45	42	660	-13.1
- New Supply	865	806	66	15	69	78	656	-24.6
Paper Grades Chemical Pulp - Production	4913	4853	424	354	366	414	4678	-5.1
- Imports	2687	2634	170	157	191	191	2180	-17.4
- Exports	2588	2555	211	199	181	167	2396	-4.8
- New Supply	5012	4932	383	311	376	437	4462	-11.7
Groundwood Pulp and All Other - Production	66	1	1	0	0	0	1	8.3
- Imports	26	49	2	4	6	2	44	-10.9
- Exports	50	10	0	0	0	0	0	0.0
- New Supply	41	40	3	4	6	2	46	13.6

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

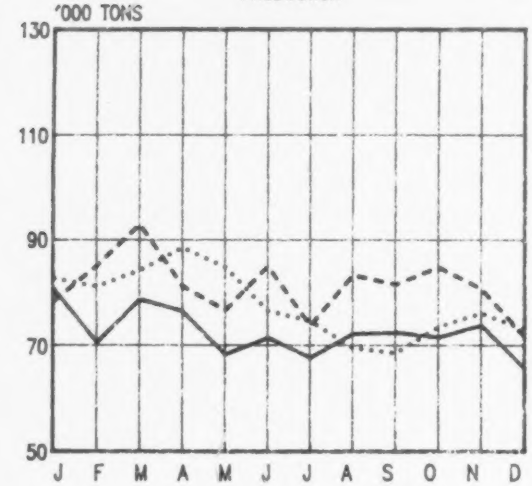
FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	63023	64697	5258	5010	5306	5185	62024	-5.5
Total Wood Pulp	49472	50822	4073	3900	4109	4077	48393	-6.2
Waste Paper	13551	13875	1185	1110	1197	1108	13631	-3.0
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	117	188	210	188	192	196	196	-8.5
Market Pulp at Pulp Mills	239	389	482	458	463	502	502	7.7
Mkt Pulp at Ppr. & Bd. Mills *	449	454	413	420	409	463	463	4.5
Waste Paper at Paper &Bd. Mills	1008	1211	1001	1008	957	951	951	-16.9
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	13	22	40	38	38	42	42	+10.5

SOURCES: Wood Pulp Data, Pulp & Raw Materials Group, API. Waste Paper Data, Paper Recycling Committee, API
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

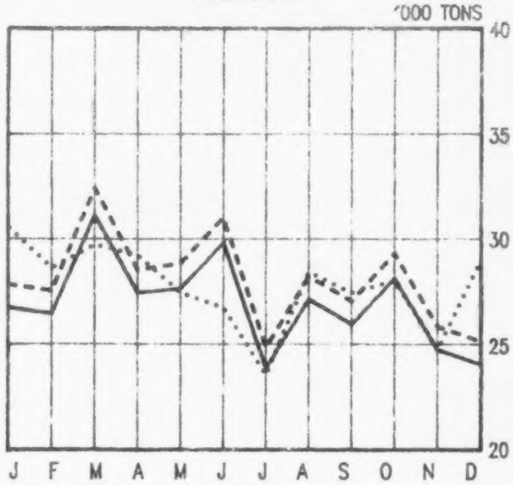
BLEACHED BRISTOLS

PRODUCTION



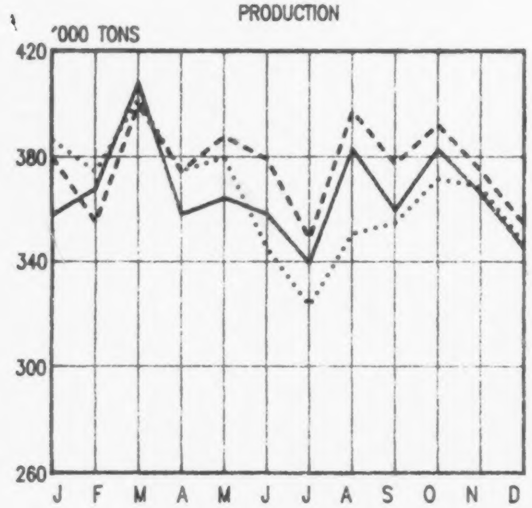
THIN PAPER

PRODUCTION



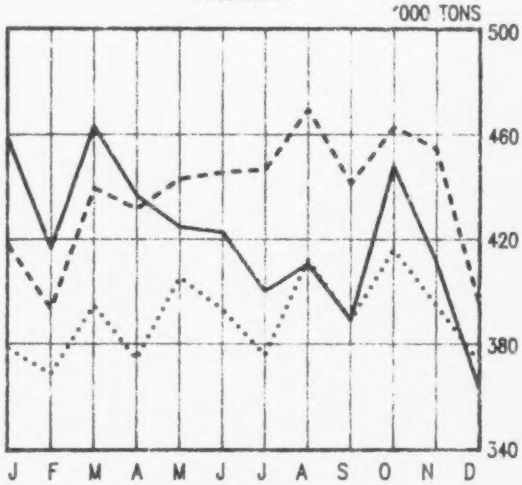
TISSUE PAPER

PRODUCTION



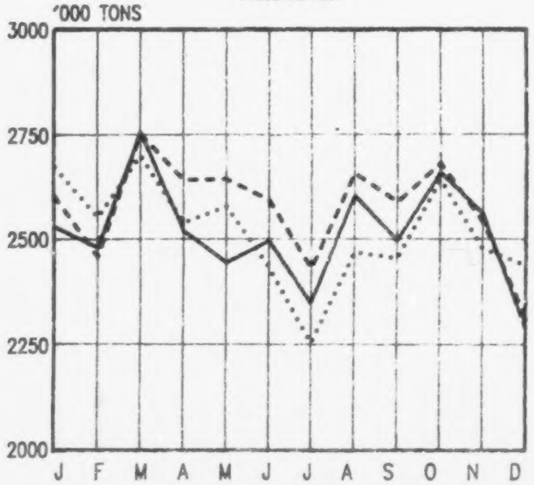
NEWSPRINT

PRODUCTION



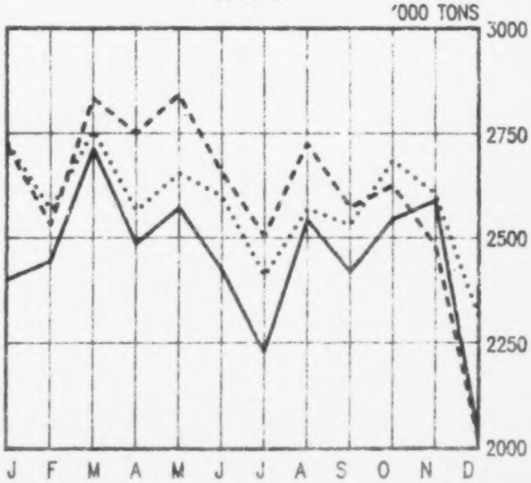
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1980 ········ 1981 ---- 1982 ——

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic foot) Cords)

		YEAR 80	YEAR 81	AUG. 82	SEPT 82	OCT. 82	NOV. 82	Annual Rate Y-T-D 82	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	81805	79547	6794	6676	6930	6585	78946	-1.6
	- Total Consumpt.	79574	79747	6758	6601	6891	6789	79843	-1.2
	- Residues *	29402	30590	2793	2750	2833	2769	31295	1.2
	- Inventories	6285	6045	5156	5163	5329	5253	5253	-6.2
So. Atlantic	- Total Receipts	26742	24681	2036	2013	2141	2086	23856	-4.2
	- Total Consumpt	25743	24815	2090	1992	2142	2100	24069	-4.2
	- Residues *	8776	8770	728	727	766	740	8276	-6.6
	- Inventories	1158	1051	977	1001	1013	1084	1084	12.7
Northeast	- Total Receipts	7710	7803	641	577	626	568	7334	-6.1
	- Total Consumpt	7487	7712	595	568	633	599	7316	-6.2
	- Residues *	1649	1362	128	112	135	137	1443	4.9
	- Inventories	724	635	616	605	600	582	582	4.9
South Central	- Total Receipts	27509	27744	2184	2256	2339	2166	26643	-4.7
	- Total Consumpt	27074	27687	2230	2233	2254	2275	27380	-2.5
	- Residues *	8001	8923	746	738	768	745	8630	-4.8
	- Inventories	1830	1825	1270	1336	1424	1326	1326	-16.1
North Central	- Total Receipts	5514	5650	518	469	461	445	5524	-1.6
	- Total Consumpt	5292	5708	510	474	474	487	5705	-0.6
	- Residues *	1361	1439	150	148	138	144	1461	1.1
	- Inventories	1210	1106	880	842	839	842	842	-20.4
West	- Total Receipts	14330	13669	1415	1361	1343	1320	15588	11.7
	- Total Consumpt	13978	13825	1333	1334	1388	1328	15373	9.4
	- Residues *	9615	10096	1041	1025	1012	1003	11485	12.9
	- Inventories	1363	1428	1413	1379	1453	1419	1419	-1.7

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 81 Tons	YEAR 81 $000	OCT. 82 Tons	OCT. 82 $000	NOV. 82 Tons	NOV. 82 $000	Annual Rate Y-T-D 82	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	168317	9876	6265	339	4812	238	88147	-49.1
Pulpwood Chips	1684950	51394	120751	3747	137140	3698	1708274	0.3
Wood Pulp, Total	3800713	1648868	255797	98025	350136	129027	3421238	-12.1
Waste Fibrous Materials, Total	120498	21239	10576	1849	11589	2126	128125	3.2
Paper, Board & Products, Total	8031677	3282788	715749	298731	691489	286496	7766239	-3.9
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	8001585	3219080	712263	292548	687550	280156	7723531	-4.0
Paper Paperboard & Products	7675713	3210134	670065	289143	656897	278574	7370004	-4.3
Paper & Paperboard, Only	7639420	3146427	666579	282811	652958	272233	7327296	-4.4
Paper, Total	7509823	3112917	653322	279690	638619	268626	7214713	-4.2
Newsprint	6935975	2807549	583420	245459	566032	231556	6531144	-6.1
Printing, Writing & Rel.Pap.	482408	242844	63726	30267	66286	32996	610150	28.0
Pack. & Ind. Conv. Paper	82414	54433	5495	3301	5797	3701	65893	-22.7
Special Industrial Paper	2279	3639	244	359	120	210	1842	-21.4
Tissue Paper	6748	4452	437	283	383	262	5684	-17.7
Paperboard, Total	129597	33510	13257	3222	14340	3607	112583	-16.3
Convtd Paper&Paperbd Products	36292	63708	3486	6232	3939	6341	42708	16.5
Wet Machine Board	1064	573	109	52	152	95	1219	13.1
Construction Paper & Board	361101	72080	45575	9586	34439	7828	395017	3.2

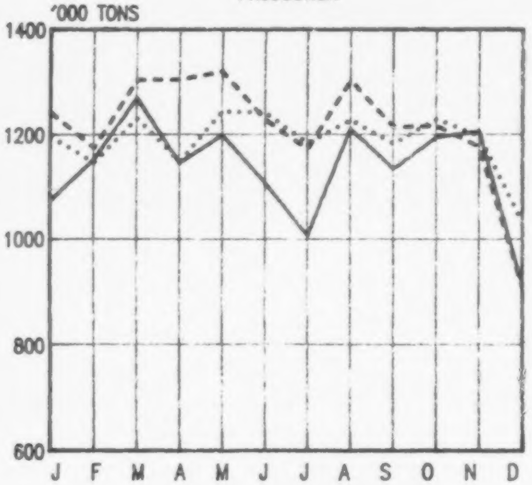
EXPORTS TO CANADA

	YEAR 81 Tons	YEAR 81 $000	OCT. 82 Tons	OCT. 82 $000	NOV. 82 Tons	NOV. 82 $000	Annual Rate Y-T-D 82	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	185312	10444	10652	827	8847	669	112931	-39.3
Pulpwood Chips	38471	1525	5702	365	865	40	27289	-29.2
Wood Pulp, Total	118921	56740	11300	4832	9883	4227	116448	-2.3
Cotton Pulp & Other Pulp	5900	3660	356	192	606	394	6188	-0.9
Waste Paper	356523	41185	33420	3830	23404	2921	270057	-26.7
Paper, Board & Products, Total	695992	504904	76395	53414	60102	43221	579258	-18.6
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	527486	365270	40736	26437	34650	23163	380621	-29.5
Paper, Paperboard & Products	656327	489675	74220	52527	58298	42544	556663	-17.0
Paper & Paperboard, Only	487822	350041	38561	25550	32846	22483	358026	-28.2
Paper, Total	278136	247806	18413	17997	17290	16279	168569	-33.8
Newsprint	8435	6155	249	245	343	350	3016	-66.2
Printing, Writing & Rel.Pap.	162623	134132	11558	9632	10336	8135	112430	-33.5
Pack. & Ind. Conv. Paper	24365	17449	2196	1352	2153	1328	20455	-18.8
Special Industrial Paper	75854	84471	3786	6276	4010	6055	46561	-34.7
Tissue	6858	5600	627	330	449	410	4022	-44.8
Paperboard, Total	209686	102235	20148	7553	15556	6209	169457	-20.6
Convtd Paper&Paperbd Products	168505	139634	35659	26977	25453	20058	198637	15.3
Wet Machine Board	7201	4215	286	203	171	85	4453	-38.9
Construction Pap & Bd. E	32464	11014	1888	684	1633	592	18141	-46.4

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

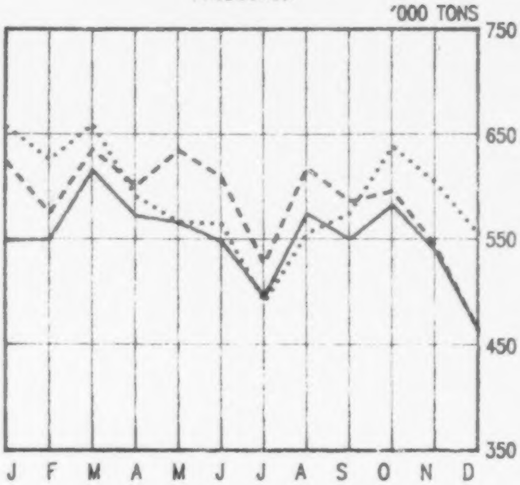
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



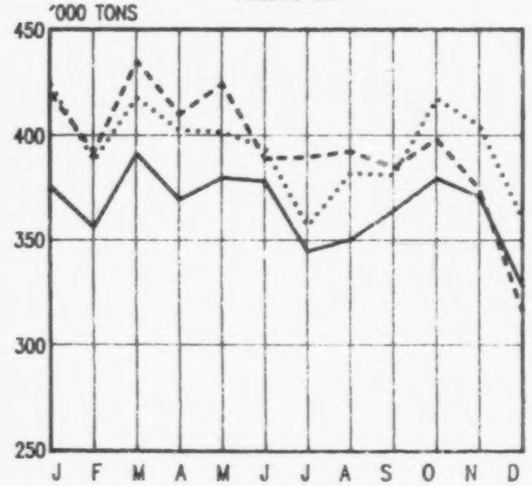
RECYCLED PAPERBOARD

PRODUCTION



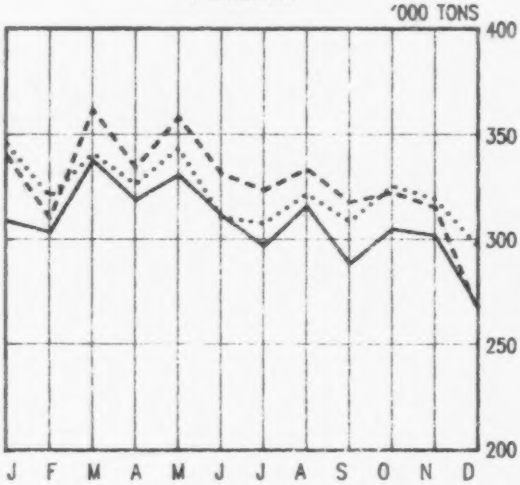
SEMICHEMICAL PAPERBOARD

PRODUCTION



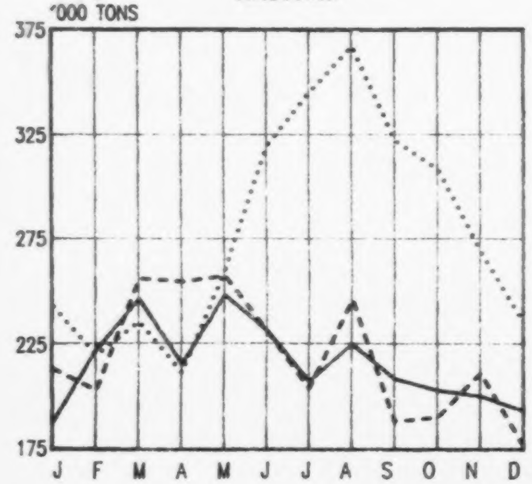
SOLID BLEACHED PAPERBOARD

PRODUCTION



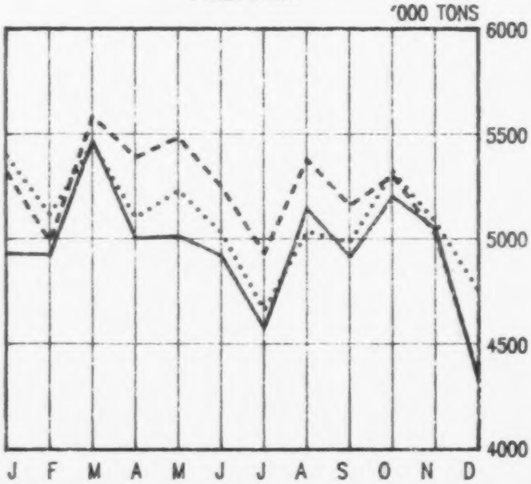
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1980 ········ 1981 - - - - - 1982 ———

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 81 Tons	81 $000	OCT. 82 Tons	82 $000	NOV. 82 Tons	82 $000	(1) Annual Rate Y-T-D 82	% Change From same Period Last Year
Pulpwood, Roundwood (cords)	168331	9876	6265	339	4812	238	88137	-49.1
Pulpwood Chips	1684969	51400	120757	3749	137140	3698	1712210	0.5
Total All Imports	12559288	5463721	1054378	445201	1109257	460940	11334010	-6.0
Wood Pulp, Total	4086698	1764289	302635	114685	374739	135861	3699881	-11.2
Waste Paper	79064	13405	6924	902	6818	879	71772	-10.2
Other Fibrous Materials	54376	19535	4639	1735	5628	2131	70266	27.9
Paper, Board & Products, Total	8339150	3672493	740180	327879	722072	322068	8002090	-3.6
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	8244942	3361888	731750	303151	712863	293914	7984946	-3.8
Paper, Ppbd & Prds ex Cnst&WMB	7940970	3592969	690524	317360	684012	313443	7654897	-4.0
Paper & Paperboard, Only	7846763	3282364	682094	292631	674808	285288	7547753	-4.2
Paper, Total	7716285	3247847	668806	289358	660226	281518	7433727	-4.0
Newsprint	6977118	2824777	580797	246721	566618	231779	6580685	-6.0
Printing & Writing	638538	347116	74501	37279	85784	43891	767125	20.3
Uncoated Groundwood	458915	219697	49431	22129	60728	28179	516306	12.0
Uncoated Book	114422	64874	12767	6848	12831	7216	143483	28.3
Coated Print.& Impres. Pap	39321	28765	8725	5561	8057	5067	69798	77.2
Bristols	910	656	62	67	44	46	382	-58.1
Writing and Similar Paper	12955	15478	2562	1726	2824	2069	25929	102.3
Thin (except Cigarette)	12015	17647	954	949	1299	1314	11228	-3.8
Total Pkg & Other Paper	93588	71124	6846	4821	7418	5537	78993	-18.4
Unbleached Kraft Paper	32532	14870	2323	962	2733	1301	23299	-31.9
Other Pkg. & Indust. Paper	61056	56254	4523	3859	4685	4237	55694	-11.0
Tissue	7040	4830	662	537	407	310	6923	-3.9
Paperboard, Total	130478	34518	13289	3273	14582	3771	114026	-15.8
Test or Containerboard	48169	12071	4588	1160	5399	1341	35011	-31.5
Semi-Chemical Corrugating	52476	11695	5530	1076	5131	994	46903	-12.4
Other Paperboard	29832	10751	3170	1037	4052	1436	32113	4.3
Convtd Paper&Paperbd Products	94208	310605	8430	24729	9204	28155	107144	13.7
Paper Products, Total	86676	294479	7123	21761	7909	24951	92646	6.0
Paperboard Products, Total	7531	16126	1307	2967	1295	3204	14498	97.8
Wet machine Board	1684	1185	130	80	184	122	1773	2.9
Construction Paper & Board	396496	78338	49525	10439	37876	8503	435420	4.1
Notes								
Other: No Weight Avail. ($000)		109042		11025		10643	122872	10.3
Total Imports Incl. Other($000)		5578763		458227		471583	5712596	3.8

EXPORTS

							(1)	
Pulpwood, Roundwood (cords)	188598	10555	10709	829	8592	670	117073	-38.1
Pulpwood Chips	3846049	314037	225748	19364	185904	14004	2887379	-26.3
Total All Exports	10663148	4905814	824004	335371	718786	306987	10004871	-6.9
Wood Pulp, Total	3677635	1661311	236658	91516	246718	96429	3391723	-7.5
Cotton Pulp and Other Pulp	131910	85195	7406	4683	7431	5314	104807	-21.9
Waste and Old Paper	2212549	268526	206635	22464	156423	17382	2251325	0.1
Paper, Board & Products, Total	4641054	2890782	373305	216709	308214	187862	4257016	-9.3
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	4033988	2079937	302655	133709	255819	119449	3682202	-9.7
Paper, Ppbd & Prod ex Cnst&WMB	4561410	2853148	368951	214354	303978	186041	4198471	-9.0
Paper & Paperboard, Only	3954344	2042303	298301	131354	251583	117629	3623656	-8.3
Paper, Total	1008409	846775	66220	52429	49337	44432	857330	-15.8
Newsprint	270460	139702	26014	11016	16578	7835	313521	15.5
Printing & Writing	383317	354608	20874	19596	15889	15069	250394	-36.0
Uncoated Groundwood	119673	91966	2836	2901	2386	2171	57759	-52.8
Clay Coated Paper	88597	78328	8602	6832	5470	4287	81636	-9.1
Uncoated Free Sheet	116752	119591	6434	6138	5455	5880	72273	-39.5
Other Printing & Writing	58295	64723	2803	3626	2578	2731	38725	-35.2
Total Pkg. & Other Paper	302887	304623	17626	20117	15218	19555	269465	-10.8
Unbleached Kraft	110801	50980	7605	3028	5112	2195	89666	-20.4
Other Pkg. & Indust. Paper	192086	253643	10022	17089	10107	17360	179799	-5.0
Tissue	51745	47842	1706	1700	1652	1972	23950	-53.5
Paperboard, Total	2945935	1195528	232081	78925	202247	73197	2766327	-7.1
Solid Wood Pulp	2772413	1110744	221056	73222	188972	66493	2615251	-6.6
Total Linerboard	1973487	660285	168946	41360	131175	33621	1890928	-5.7
Bleached Kraft Linerboard	151979	52546	4920	2103	6786	3274	63466	-60.1
Unbleached Kraft Linerbd	1821509	607739	164026	39257	124383	30347	1827462	-1.0
Other Unbleached Kraft	148855	63341	6881	3094	3956	4690	137617	-8.0
Other Bleached Kraft	584250	367530	40664	27430	42867	26751	526781	-10.1
Semi-Chemical Corrugating	65821	19588	4565	1338	4974	1431	59925	0.3
Recycled Paperboard	173522	84784	11024	5704	13275	6704	151075	-14.5
Convtd Paper&Paperbd Products	607066	810845	70650	83000	52395	68413	574814	-6.7
Paper Products, Total	362337	580602	29687	49612	23317	42583	318654	-12.9
Paperboard Products, Total	244729	230243	40964	33388	29078	25830	256160	2.3
Wet Machine Board	10812	7039	913	466	1223	430	11211	1.5
Construction Paper & Board E	68832	30595	3441	1689	3013	1391	47335	-32.5
Notes								
Other: No Weight Avail. ($000)		11235		679		542	9243	-9.7
Total Exports Incl. Other($000)		4917049		336050		307529	4326256	-12.1

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.
(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES

1967 = 100

	1980	1981	SEPT	OCT.	NOV.	DEC.	Annual Rate Y-T-D 1982	% Change From Same Period Last Year
Pulp, Paper and Products except Building Grades	250.6	406.3	271.8	270.4	269.9	268.1	273.3	0.9
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	251.3	272.4	274.4	273.0	272.5	271.7	276.0	1.3
Total Wood Pulp	380.3	397.1	367.2	352.5	349.4	349.3	379.8	-4.4
Total Paper	256.8	279.8	286.0	285.6	281.7	280.0	286.6	2.4
Total Paper, exc. Newsprint	249.3	271.1	276.4	276.2	276.1	274.5	278.4	2.7
Newsprint	279.7	307.5	318.4	318.4	303.7	300.7	316.2	2.8
Total Paperboard	234.6	258.1	250.7	248.0	247.5	244.5	254.8	-1.2
Total Paper and Paperboard #	249.9	273.1	274.9	273.8	271.0	268.9	276.7	1.3
Converted Products	238.5	258.8	264.2	263.9	265.0	264.9	264.4	2.2
Waste Paper	208.7	175.7	116.0	116.0	116.0	116.0	121.1	-31.0
All Commodities	268.8	283.4	299.5	299.8	300.4	300.6	299.3	2.0
Industrial Commodities	274.8	304.1	312.9	314.4	315.1	315.0	312.3	2.7

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Paper and Paperboard
Production and New Supply

	Production	Imports	Exports	New Supply	Real GNP $ Billion	Ratio 000T/ $ Billion	Mfg. Production	Ratio 000T/ Point
	---000 Tons---						1967=100	
1976	55,151	7,042	3,388	58,805	1,298.2	45.30	130.3	451
1977	56,823	7,294	3,171	60,946	1,369.7	44.50	138.4	440
1978	58,744	8,781	3,301	64,224	1,438.6	44.64	146.8	437
1979	61,271	8,738	3,610	66,399	1,479.4	44.88	153.6	432
1980	61,147	8,304	5,148	64,303	1,474.0	43.62	146.7	438
1981 Qtr.								
I*	63,146	8,095	4,743	66,498	1,507.8	44.10	151.3	439.5
II*	62,429	8,067	5,038	65,458	1,502.2	43.57	152.4	429.5
III*	63,184	7,263	4,465	65,982	1,510.4	43.69	152.5	432.7
IV*	59,955	8,344	3,999	64,300	1,490.1	43.15	145.0	443.4
Year	62,126#	7,941	4,561	65,506	1,502.5	43.60	150.3	435.8
1982 Qtr.								
I*	60,874	7,789	4,091	64,572	1,470.7	43.91	139.8	462
II*	57,852	7,775	4,379	61,248	1,478.4	41.43	138.1	444
III*	59,742	7,005	4,232	62,515	1,481.1	42.21	137.7	454
IV*	59,589	7,900E	3,890E	63,599	1,471.7	43.21	134.3	474
Year	59,444#	7,618	4,148	62,914	1,475.5	42.64	137.5	458

E - December estimated
* - Quarterly production, imports, exports and new supply data, seasonally adjusted annual rates.
# - Actual total

Source: Production: API
Imports and Exports: Bureau of the Census; data include products
Manufacturing Production: Federal Reserve Board
Real GNP: Bureau of Economic Analysis, Department of Commerce

Continued from Page 2

The table on the bottom of page 10 presents data on the quarterly trend of paper and paperboard production, imports, exports and new supply, together with annual data back to 1976. This table also presents data on the ratio of paper and paperboard new supply to real GNP and to manufacturing production for these same time periods.

The table shows that paper and paperboard new supply held near its 1980 level of 43,600 tons per billion dollars of the real GNP throughout 1981 and the first quarter of 1982. In the second quarter, the ratio fell sharply, but moved up to within 1% of its 1980 level in the last quarter. This suggests that the paper industry is keeping pace with general business activity. Relative to manufacturing production, the trend was even more favorable, with the fourth quarter 1982 ratio above that of any other shown on the table.

The trends shown by the total industry were, themselves the result of two distinctly different trends within the industry. Printing and writing papers find markets throughout the economy, with important markets in the service sectors as well as in the manufacturing sectors. In addition, printing and writing papers include some of the major growth products, such as office copy paper for the still-rising number of office copiers in the economy and computer printout paper for the ever-growing number of business and home computers. While there is widespread discussion of the long-term impact of electronic processing and distribution of information on paper demand, for the present, computer and computer generated demand for paper continues strong. Specifically, the production of uncoated free sheet papers, which include both these products, amounted to 7.84 million tons in 1982, 0.8% below the 7.9 million tons produced in 1981 and 2.2% below the record-high 8.0 million tons produced in 1980.

Continued on Page 12

Continued from Page 11

Coated paper shipments, largely reflecting strong demand for the publication (magazine) grades, rose to a record-high 5.0 million tons in 1982, 1.9% above the previous high established in 1981. Only bleached bristol production showed a sharp decline, with the 1982 total of 868,000 tons, some 11% below that of 1981, with all the major grades showing weakness.

Total production of printing and writing papers in 1982 amounted to 15.63 million tons, 0.7% below its 1981 high and a shade above the 15.58 million tons produced in 1980.

In contrast to the trend of printing and writing paper production, production of the packaging and industrial papers were 5.5% below their 1981 level. Production of paperboard was down by 6.3%, with containerboard production for domestic use, at 17.7 million tons, down 7.2% and boxboard for domestic use (excluding the unbleached kraft grades) at 5.2 million tons, down 6.3%. These declines were generally less than that of manufacturing production as a whole and roughly in line with the decline in production of non-durable goods.

While these declines were more or less consistent with the trends in the major markets for paper and paperboard, they nonetheless had a major impact on industry profits and on trends in expenditures for new plant and equipment. Federal Trade Commission data show that after-tax profits of paper and allied products companies in the first three quarters of 1982 were 45% below their year-earlier level with only a 4% decline in sales. The Department of Commerce reported that expenditures on new plant and equipment by paper and allied products companies totalled $5.96 billion in 1982, 11% below the 1981 total. Nonetheless, in terms of production, the paper industry remains strong relative to the total economy, as indicated by the figures presented above. This strength was reflected in a report by the Department of Commerce that paper and allied products companies intend to increase their expenditures on new plant and equipment by 3.5% in 1983, to $6.16 billion.

BS/th

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

JANUARY 21,1983

PRODUCTION (000 TONS)

	Dec. 1982	Nov. 1982	Dec. 1981	Jan - Dec. 1982	Jan - Dec. 1981	% Change 82/81
PAPER GRADES	P	R				
Newsprint	363	411	395	5041	5239	-3.8
Printing & Writing	1212	1337	1185	15632	15736	-0.7
Uncoated Groundwood (s)	118	126	114	1452	1463	-0.8
Coated Paper (s)	399	433	390	5032	4940	1.9
Uncoated Free Sheet Paper (s)	598	670	575	7837	7898	-0.8
Thin Paper (s)	24	25	25	323	336	-4.0
Cotton Fiber Paper (s)	9	9	9	121	125	-2.6
Bleached Bristols (s)	66	74	72	868	974	-10.9
Tissue Paper	345	366	354	4388	4518	-2.9
Total Pkg & Other Paper	370	444	385	5107	5402	-5.5
Unbleached Kraft Packaging & Indl. Converting (s)	270	315	260	3530	3725	-5.2
Other Paper *	100	130	124	1577	1678	-6.0
TOTAL PAPER	2290	2558	2320	30169	30894	-2.3
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	976	1278	977	14618	15602	-6.3
Unbleached Kraft Linerboard	915	1204	910	13589	14540	-6.5
Other Unbl. Kraft Paperboard	61	74	67	1030	1062	-3.1
Semichemical Paperboard	328	370	316	4381	4719	-7.2
Bleached Paperboard	268	301	266	3682	3910	-5.8
Recycled Paperboard	464	538	463	6593	7001	-5.8
TOTAL PAPERBOARD	2035	2487	2021	29275	31232	-6.3
TOTAL PAPER AND PAPERBOARD	4325	5046	4341	59444	62126	-4.3

WOOD PULP (ALL GRADES)	Nov. 1982	Oct. 1982	Nov. 1981	Jan - Nov. 1982	Jan - Nov. 1981	% Change 82/81
Dissolving & Special Alpha	99	96	126	1027	1268	-19.0
Bleached Sulphite	113	105	111	1173	1302	-9.9
Unbleached Sulphite	30	31	36	318	370	-14.1
Bleached & Semi-Bl. Sulph.	1700	1667	1687	18271	18660	-2.1
Unbleached Sulphate	1568	1559	1586	16879	18281	-7.7
Semichemical	293	316	300	3438	3644	-5.7
Groundwood and Thermo-Mechanical	409	453	441	4709	4899	-3.9
TOTAL PULP DIVISION DATA	4211	4225	4287	45814	48424	-5.4

(s) - Shipments   R - Revised   E - Estimate
P - Preliminary   * - Revised series based on A.P.I. data.

January 28, 1983

	Full Year		INDUSTRY DATA			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1980	1981	October	November	December		
Total Production (API).......| excluding |...	61147	62126	5200	5046	4325	59444	-4.3
Total Seasonally Adjusted....|construction|...			5015	5069	4813	59514	-4.3
Imports (including Products).| and wet |..E	8302	7941	691	684	N.A.	7618	-4.1
Exports (including Products).| machine |..E	5148	4561	369	304	N.A.	4148	-9.1
Apparent Consumption.........| grades |...	64301a	65506 b	5337	5449	5116	62914c	-4.0
Paper Production % Tonnage Capacity............	92.5s	91.7Rs	84.4	90.1	75.1	87.0sh	-
Paperboard Production % Tonnage Capacity......	91.8s	90.6Rs	83.1	83.5	70.8	82.5s	-
			September	October	November		
IMPORTS.....|Including Construction and |.....	8778	8339	657	740	722	8092	-3.6
EXPORTS.....| WMB Grades (excl. HPB) |.....	5214	4641	379	373	308	4257	-0.9
MARKET WOOD PULP PRODUCTION - Tons (000)........	6486	6206	432	462	512	5798	-8.2
TOTAL WOOD PULP PRODUCTION - Tons (000)..(F)....	50737	52041	3966	4225	4211	49979	-5.4
WOOD PULP IMPORTS - TONS (000)..................	4051	4087	304	303	375	3700	-11.2
WOOD PULP EXPORTS - TONS (000)..................	3806	3678	298	237	247	3392	-7.5
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS | excluding |			September	October	November		
Wood Pulp.............|consumption for|.....	49472	50822	3900	4109	4077	48393	-6.2
Waste Paper...........|construction & |.....	13551	13875	1110	1197	1108	13631	-3.0
TOTAL..........| WMB grades |.....	63023	64697	5010	5306	5185	62024	-5.5
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	79574	79747	6601	6891	6789	79843	-1.2
EMPLOYMENT (000)			October	November	December		
Paper and Allied Products..........Total......	692.8	687.8	651.6	652.3	649.7	659.6	-4.1
Pulp, Paper and Board Mills.........Total.....E	268.4	266.6	250.5	253.7	252.0	255.8	-4.1
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products......................	7.84	8.60	9.54	9.59	9.61	9.32	8.4
Pulp, Paper Mills.............................E	9.15	10.06	11.25	11.27	11.29	10.91	8.4
Paperboard Mills..............................E	9.28	10.23	11.41	11.55	11.56	11.11	8.7
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1982 Q2	1982 Q3	1982 Q4		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	6.80	6.72	6.04	6.16	5.65	5.96	-11.3
INDEX OF OUTPUT PER MAN-HOUR (1977=100)..........			October	November	December		
|IN PULP, PAPER |...Production Workers..........	108.6	108.2	115.3	115.3	106.1	110.6	+2.2
|AND BOARD MILLS|...All Employees..............	105.4	107.5	113.2	113.3	104.5	109.0	+1.4
PAPER AND ALLIED PRODUCTS (Million $)			September	October	November		
Industry Shipments (Dept. of Commerce*........	72731	79505	6482	6519	6529	78235	-1.5
Pulp, Paper and Paperboard*..................	31785	34260	2740	2644	2709	32628	-4.9
Inventories (End of Period) - Total Industry*.	7788	8825	8831	8890	8887	8887	0.7
Pulp, Paper and Paperboard*.................	2931	3461	3638	3648	3653	3653	11.0
			1982 Q1	1982 Q2	1982 Q3		
Sales (Corporations Only, FTC)................	56250	62698RS	15125	15316	14913	60472	-4.1
Earnings (Corporations Only, FTC).............	2800	3110RS	418	436	408	1683	-44.7
Depreciation (Corporations Only, FTC).........	2026	2267RS	580	602	602	2378	4.4
Net Worth (Corporations Only, FTC)............	24396	26558RS	26825	26897	26795	26795	2.6
PRICE INDEXES (Bureau of Labor Stats)1967=100			October	November	December		
Pulp, Paper & Products, ex. Building Grades...	250.6	408.3	270.4	269.9	269.1	273.3	0.9
Wood Pulp...................................	380.3	397.1	352.5	349.4	348.3	379.8	-4.4
Waste Paper.................................	208.7	175.7	116.0	116.0	116.0	121.1	-31.0
Paper.......................................	256.8	279.8	285.6	281.7	280.0	286.8	2.4
Paperboard..................................	234.6	258.1	248.0	247.6	244.5	254.9	-1.2
PAPER DEMAND (INDEXED: 1967=100)			October	November	December		
Total Paper Production *.....................	143.9	147.7	147.2	147.6	139.9	144.2	-2.3
Paper New Supply *...........................	136.1	137.2R	138.7	139.7	130.5	134.2	-2.2
Total End - Use Index *.....................	146.3	150.3	148.6	148.5	149.8	148.5	-0.5
Production of Nondurable Goods *...(19%)..	161.2	164.7	156.0	155.2	155.1	156.0	-5.3
Disposable Income (Constant $) *...(23%)..	151.0	154.3	157.4	157.9	159.3	157.5	2.1
Total Printing and Publishing *...(58%)..	139.5	144.0	142.6	142.5	144.0	144.3	0.2
Trend Factor	----------------	----------------	--------Not Available	--------	--------	--------	--------
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *................	135.4	137.1	128.7	131.1	124.7	128.5	-6.2
Production for Domestic Use	128.3	132.9	125.1	127.8	121.5	124.2	-6.6
Total End - Use Index *.....................	146.1	148.3	137.7	136.6	136.6	139.5	-6.5
Production of Consumer Goods *...(60.49%)	145.4	147.8	142.2	141.1	141.4	142.6	-3.5
Production of Equipment *...(6.62%)	145.2	151.8	133.5	133.0	133.6	139.4	-8.1
Production of Materials *...(32.89%)	147.6	151.5	130.3	128.9	128.4	133.8	-11.7
Trend Factor	----------------	----------------	--------Not Available	--------	--------	--------	--------
NEWSPRINT MARKETS			September	October	November		
Consumption by Publishers - Tons (000)........	11121	11205	920	1022	981	11065	-0.8
Newspaper Pub. and Printing Empl. Total(000)..E	422.8	421.9	423.3	423.8	426.0	424.6	0.8
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	118372	123182	11403	11803	13403	121004	-2.0
WHOLESALERS SALES AND INVENTORIES (Million $)(J)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	21296	24381	2085	2014	2004	24487	0.3
Inventories (End of Period)	1849	2085	2092	2100	2134	2134	2.9
FIBRE BOX DATA (Fibre Box Association)			October	November	December		
Fibre Box Shipments (Million square feet)......	241376	246152	21040	19072	17540	234845	-4.6
Container'bd Inventory at Mill & Plant(000Tons)	1984	2729	2424	2524	2590	2590	-5.1
RETAIL TRADE (Million $)							
Total Retail Sales *.........................	953984	1044587	90290	92613	92263	1069867	2.4
Nondurable Goods Stores Sales *..............	656231	716262	62441	62563	62746	737223	2.9
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	147.0	150.9	135.8	134.8	134.7	138.8	-8.1
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	268.8	293.4	299.9	300.4	300.6	299.3	2.0
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	246.8	272.4	294.1	293.6	292.4	289.1	6.2
			September	October	November		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	313.5	333.4	335.9	334.9	337.0	337.0	2.4
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1982 Q2	1982 Q3	1982 Q4		
G.N.P. or Expenditure - Current $.............	2633.1	2937.7	3045.2	3088.2	3101.3	3057.8	4.1
G.N.P. or Expenditure - 1972 $................	1474.0	1502.6	1478.4	1481.1	1471.7	1475.5	-1.8

lb/capita

Pap&Papbd		Othr		Totl	Popul(mil)
.a - 565	+	26	=	591	227.7
.b - 570	+	21	=	591	229.7
.c - 542	+	15	=	557	232.0

.E - Last month estimated by API
.e - estimated by API

s - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
j - Census unpublished data; standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter

R - Revised
RS - Revised Series
y - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted

3/14/83

Paper
Paperboard
& Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 61 - No. 2

FEBRUARY , 1983

PAPER AND PAPERBOARD PRODUCTION TREND MOVES UPWARD

The paper industry got off to a brisk start in 1983, with production recovering smartly from the low levels of the fourth quarter. Preliminary data show the January 1983 production total at 5.2 million tons, 5.3% above the year-ago level. The trend position of production (2-month average of the seasonally adjusted data) was 61.0 million tons per year, which was about 2% below the record-high average rate attained in 1981. Preliminary data for February, based on two weeks production data suggests that the trend position moved up further, to 62.3 million tons per year.

The gains in production were spread throughout the grade structure, with the paperboard grades showing stronger recovery than the paper grades. This is an offset to the sharp declines in paperboard output that occurred in 1982.

Among the paper grades, the strongest gains appear to be in the printing and tissue paper sectors,according to preliminary data. The January estimate shows printing paper production at 16.1 million tons per year, 4.4% above the year-earlier level. In 1982, printing paper production showed the strongest pattern among any of the paper and paperboard grades; at 15.7 million tons, production was only 0.5% below the record-high 1981 level. This compares with a 4% decline in newsprint; 2% in tissue paper; and 5% in the packaging and other converting paper grades. Paperboard production was down 6% in 1982, with all the major grades showing comparable declines.

Demand for printing and writing papers reflects the improving pace of total business activity, including activity in the service sectors. In addition, the printing and writing papers continue to be supported by strong demand for computer papers and office copy papers. Coated paper, which finds its major markets in the advertising-sensitive magazine publishing and commercial printing, was the only major grade to show a gain in 1982: it was 1.8% above

Continued on Page 2

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Continued from Page 1

its 1981 level. In January 1983, coated paper production was at an unadjusted annual rate of 5.1 million tons, 5.7% above the January 1982 level.

On the negative side, production of bleached bristols continued to show a lack-luster performance, with the January 1983 total down 6.7% from its year-ago level. Production of these grades in all of 1982 fell 11% from the 1981 total.

Preliminary data indicate some recovery in the packaging grades. The production of total packaging and converting papers in January was up about 2% from year-ago levels, with unbleached kraft paper showing a 3.7% increase. In 1982, unbleached kraft paper production fell 6% from its 1981 level, largely reflecting weakness in the shipping sack and "other converting" grades.

Paperboard production, as noted above, showed a stronger pattern than paper in January 1983, rising 7.4% from its January 1982 level. The trend position of paperboard production in January was 29.9 million tons per year, which was above the average for all of 1982 but still 4% below the 1981 record-high average rate. Preliminary data for February, based on the production in the first two weeks of the month, indicate that the trend position moved to the 31 million tons per year level, which would bring the January-February rate to within 1% of its 1981 high.

Both the solid wood pulp and recycled grades shared in this gain. The production of the solid wood pulp grades in January, for example was up 7.3% and the recycled grades showed a 7.7% increase. The resurgence of recycled paperboard demand reflected a 6.7% increase in recycled folding boxboard production. In addition, the production of gypsum wallboard facings, which is closely related to the rapidly recovering housing industry, showed a 13.6% gain over the year-ago level. Total boxboard production for domestic use however, which includes the milk carton and food service grades, showed a gain of only 2.6% over its year-ago level in January.

Containerboard production for domestic use rose 7.5% above its year-ago level. This was consistent with the 6% gain shown in shipments of fibre boxes in January 1983, relative to its January 1982 level. The Fibre Box Association reported that the January 1983 rate of shipments adjusted for seasonal and work day factors, was at a rate of nearly 250 billion square feet per year, well above the rate reached in any month of 1982.

Continued on Page 11

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

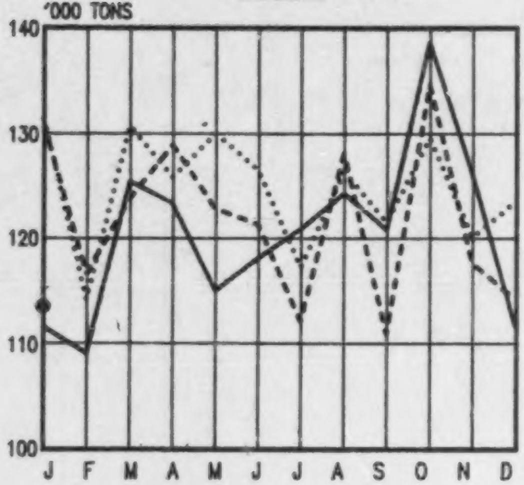
	YEAR 81	YEAR 82	OCT. 82	NOV. 82	DEC. 82	JAN. 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
PAPER					R	P		
Newsprint - Production	5239	5042	448	411	364	444	5332	-2.9
- Shipments	5220	4988	439	429	381	408	4897	-8.9
Printing & Writing	15736	15655	1383	1337	1235	1340	16082	4.4
Groundwood Paper - Shipments	1463	1446	139	126	112	114	1364	1.9
- New Orders	1448	1447	131	121	110	121	1454	9.0
- Unfilled Orders	100			DATA	UNDER	REVIEW		
Coated Paper - Shipments	4940	5031	447	433	398	427	5128	5.7
- New Orders	4853	4955	446	413	410	430	5159	8.2
- Unfilled Orders	360			DATA	UNDER	REVIEW		
Unctd Free Sheet - Shipments	7898	7864	688	670	625	686	8226	5.5
- New Orders	7735	7760	684	652	626	682	8181	7.9
- Unfilled Orders	370			DATA	UNDER	REVIEW		
Thin Paper - Shipments	336	323	28	25	24	28	336	4.9
Cotton Fiber Paper - Shipments	125	121	10	9	9	11	128	1.9
Bleached Bristols - Production	974	870	71	74	68	75	900	-6.7
Tissue Paper - Production	4518	4438	387	383	374	390	4680	9.0
Total Packaging & Other Paper *	5550	5260	451	457	401	448	5381	2.2
Unbl. Kraft Paper - Shipments	3873	3657	315	327	274	325	3800	3.7
Other Paper - Production *	1678	1604	135	130	126	123	1481	-1.8
TOTAL PAPER-Production-Unadj.	31042	30396	2668	2588	2373	2623	31475	3.4
-Production-S.A.			2578	2606	2530	2644	31728	3.4
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	24231	22683	1961	1949	1571	1989	23862	7.3
Unbl. Kraft Linerboard (1)	14540	13590	1192	1204	915	1202	14429	12.0
Production for Export	1887	1871	148	145	136	180	2165	36.9
Other Unbl. Kraft Paperboard	1062	1030	85	74	61	81	970	-16.7
Semichemical Paperboard	4719	4381	379	370	328	383	4523	2.2
Production for Export	155	179	14	15	13	16	198	45.5
Solid Bleached Paperboard	3910	3682	305	301	268	322	3869	4.5
Production for Export	557	514	39	39	41	49	586	14.2
Recycled Paperboard	7001	6590	581	538	464	587	7043	7.7
Production for Export	24	15	1	1	1	3	30	83.3
TOTAL PAPERBOARD-Prod.-Unadj.	31232	29274	2542	2487	2035	2575	30905	7.4
- Containerboard Prod.(Dom. Use)	19040	17675	1573	1564	1214	1546	18553	7.5
- Boxboard Prod.(Dom. Use) (2)	5544	5197	447	424	363	456	5469	2.6
- All Other P'bd Prod.(D.U.) (2)	4026	3826	320	300	265	325	3904	-1.7
- Total Paperbd Prod. for Export	2622	2578	202	198	192	248	2979	32.5
TOTAL PAPERBOARD PROD. - S.A.			2447	2482	2372	2615	31376	7.4
TOTAL PAPER AND PAPERBOARD								
Production - actual	62274	59669	5211	5075	4408	5198	62380	5.3
Production - S.A.			5025	5088	4902	5259	63104	5.3

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

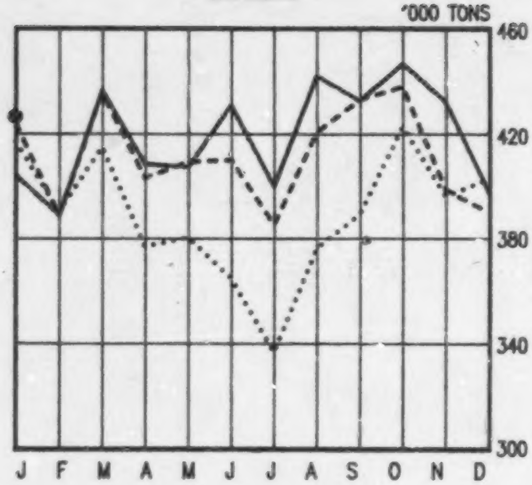
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



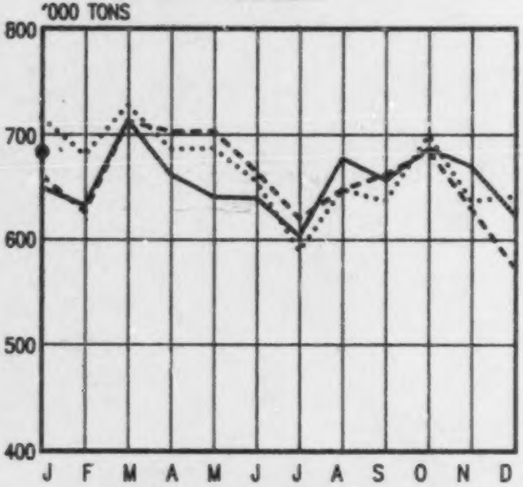
COATED PAPER

SHIPMENTS



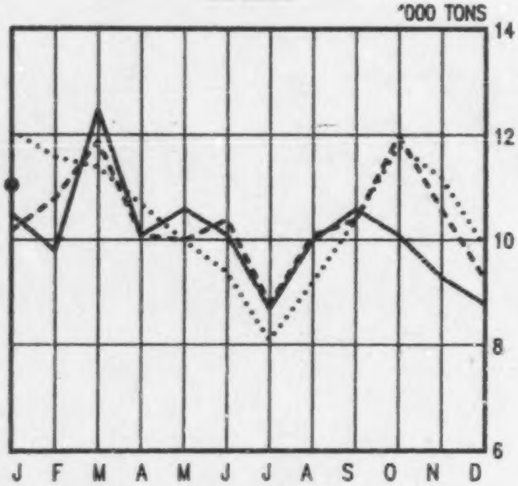
UNCOATED FREE SHEET PAPERS

SHIPMENTS



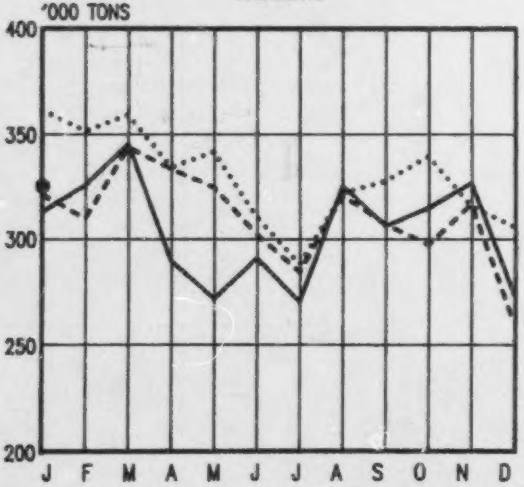
COTTON FIBER PAPER

SHIPMENTS



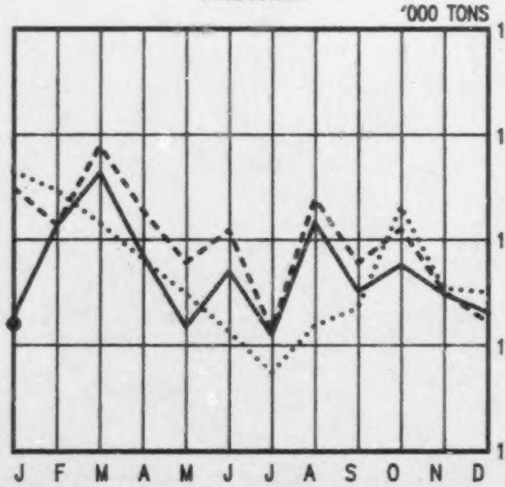
UNBLEACHED KRAFT PACKAGING
AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1980 ········ 1981 ----- 1982 —— January 1983 ●

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 80	YEAR 81	SEPT 82	OCT. 82	NOV. 82	DEC. 82	Annual Rate Y-T-D 82	% Change from same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	50737	52041	3999	4226	4189	3548	49367	-5.1
- Imports	4051	4287	304	303	375	264	3656	-10.5
- Exports	3806	3878	298	237	247	285	3394	-7.7
- New Supply	50982	52450	4004	4292	4317	3527	49628	-5.4
Dissolving Pulp - Production	1508	1353	79	96	99	66	1092	-19.3
- Imports	263	249	11	19	19	10	186	-25.0
- Exports	769	784	52	50	55	51	631	-19.5
- New Supply	1002	818	38	65	62	24	647	-20.8
Paper Grades Chemical Pulp - Production	40436	41445	3188	3361	3391	2830	39478	-4.7
- Imports	3615	3655	276	269	331	249	3302	-9.7
- Exports	2956	2870	243	183	191	228	2736	-4.7
- New Supply	41095	42230	3221	3446	3531	2851	40044	-5.2
Groundwood and Thermo-Mech. - Production	4767	5320	429	453	409	389	5097	-4.2
- Imports	173	183	16	15	25	6	167	-8.5
- Exports	81	24	3	3	0	6	27	12.8
- New Supply	4859	5479	442	465	434	389	5237	-4.4
Semi-Chemical - Production	4026	3924	303	316	290	264	3699	-5.7
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp	------
- New Supply	4026	3924	303	316	290	264	3699	-5.7
MARKET WOOD PULP								
Total Market Wood Pulp - Production	6486	6210	431	462	507	378	5688	-8.7
- Imports	2947	2924	173	215	214	224	2443	-16.5
- Exports	3513	3352	274	226	208	278	3080	-8.1
- New Supply	5919	5782	331	451	514	322	5031	-13.0
Dissolving Pulp - Production	1506	1352	78	96	98	68	1089	-19.4
- Imports	235	241	12	18	21	14	194	-19.4
- Exports	876	787	75	45	41	70	675	-14.2
- New Supply	865	806	15	69	78	9	608	-24.5
Paper Grades Chemical Pulp - Production	4913	4857	354	366	409	312	4578	-5.7
- Imports	2687	2634	157	191	191	204	2202	-16.4
- Exports	2588	2555	199	181	167	209	2405	-5.9
- New Supply	5012	4936	311	376	433	307	4376	-11.3
Groundwood Pulp and All Other - Production	66	1	0	0	0	0	0	-76.9
- Imports	26	49	4	6	2	5	46	-5.0
- Exports	50	10	0	0	0	0	0	0.0
- New Supply	41	40	4	6	2	8	47	16.7

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

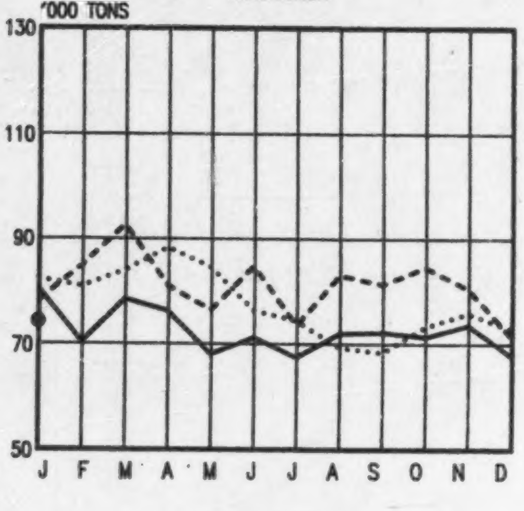
FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	63023	64697	5097	5365	5222	4549	61988	-4.2
Total Wood Pulp	49472	50822	3982	4168	4114	3524	48473	-4.6
Waste Paper	13551	13875	1115	1197	1108	1025	13525	-2.5
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	117	188	188	192	195	177	177	-5.4
Market Pulp at Pulp Mills	239	393	458	463	503	437	437	11.1
Mkt Pulp at Ppr. & Bd. Mills *	449	454	420	409	463	492	492	8.4
Waste Paper at Paper &Bd. Mills	1008	1211	1006	957	951	1017	1017	-16.0
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	18	33	38	39	42	37	37	12.1

SOURCES: Wood Pulp Data, Pulp & Raw Materials Group, API. Waste Paper Data, Paper Recycling Committee, API
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

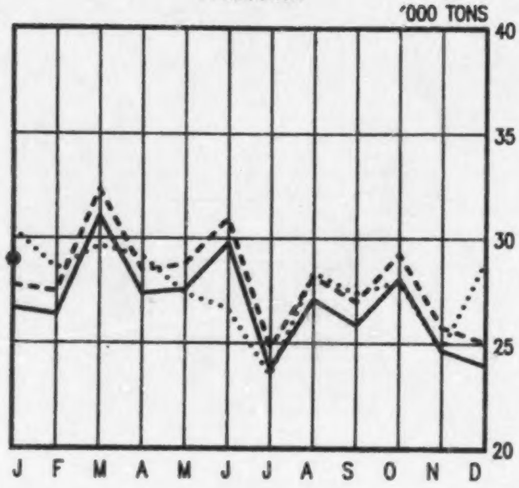
BLEACHED BRISTOLS

PRODUCTION



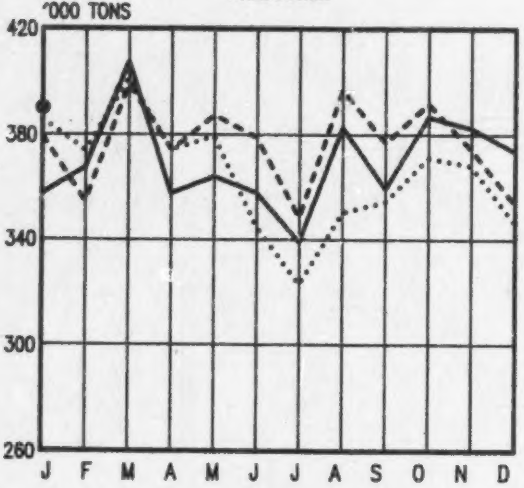
THIN PAPER

PRODUCTION



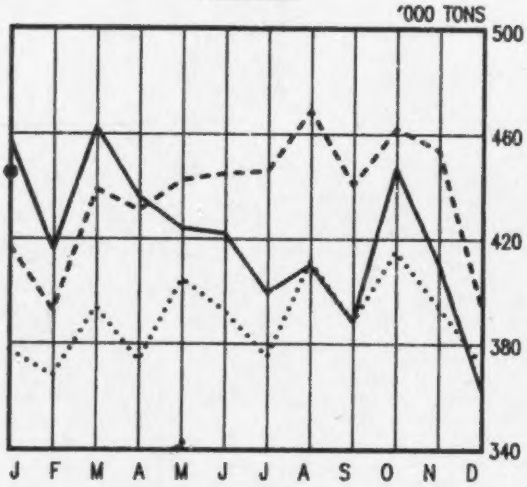
TISSUE PAPER

PRODUCTION



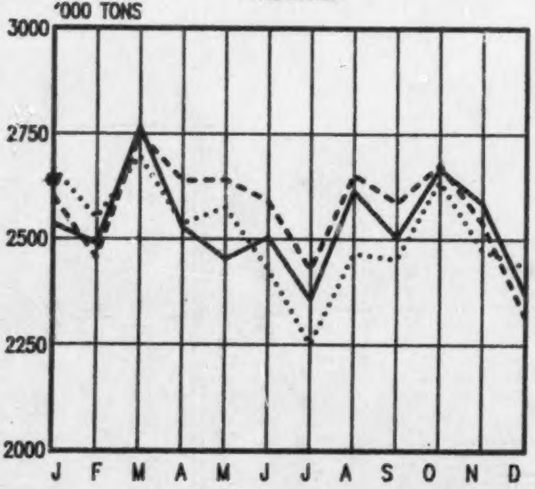
NEWSPRINT

PRODUCTION



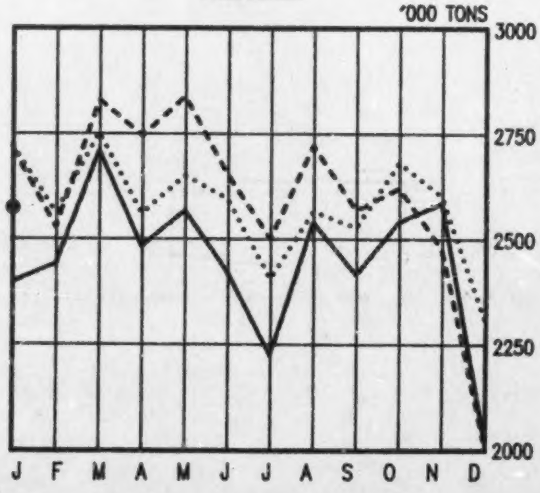
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1980········ 1981----- 1982 ——— January 1983 ●

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic Foot) Cords)

		YEAR		SEPT	OCT.	NOV.	DEC.	Annual Rate Y-T-D	% Change From same Period Last Year
		80	81	82	82	82	82	82	
PULPWOOD									
Total U.S.	- Total Receipts	81805	79547	6676	6830	6585	6152	78519	-1.3
	- Total Consumpt.	79574	79747	6601	6891	6769	5867	79156	-0.7
	- Residues *	29402	30580	2750	2839	2769	2465	31152	1.8
	- Inventories	6285	6045	5163	5329	5253	5426	5426	-10.2
So. Atlantic	- Total Receipts	26742	24681	2013	2141	2086	1901	23769	-3.7
	- Total Consumpt	25743	24815	1992	2142	2100	1779	23842	-3.9
	- Residues *	8776	8770	727	766	740	687	8273	-5.7
	- Inventories	1158	1051	1001	1013	1084	1165	1165	10.8
Northeast	- Total Receipts	7710	7803	577	626	568	560	7283	-6.7
	- Total Consumpt	7487	7712	568	633	599	515	7221	-6.4
	- Residues *	1649	1362	112	135	137	129	1452	6.6
	- Inventories	724	835	605	600	582	652	652	2.7
South Central	- Total Receipts	27509	27744	2256	2339	2186	2087	26510	-4.4
	- Total Consumpt	27074	27687	2233	2254	2275	2055	27153	-1.9
	- Residues *	8001	8923	738	788	745	705	8616	-3.4
	- Inventories	1830	1825	1336	1424	1326	1346	1346	-26.2
North Central	- Total Receipts	5514	5650	469	481	445	537	5601	-0.9
	- Total Consumpt	5292	5708	474	474	487	476	5706	-0.0
	- Residues *	1361	1439	148	138	144	178	1517	5.4
	- Inventories	1210	1106	842	839	842	925	925	-16.4
West	- Total Receipts	14330	13669	1361	1343	1320	1067	15356	12.3
	- Total Consumpt	13978	13825	1334	1388	1328	1142	15234	10.2
	- Residues *	9615	10096	1025	1012	1003	766	11294	11.9
	- Inventories	1363	1428	1379	1453	1419	1338	1338	-6.3

* - Consumption of Residues in Cord Equivalents.   SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 81		NOV. 82		DEC. 82		Annual Rate Y-T-D	% Change From same Period Last Year
	Tons	$000	Tons	$000	Tons	$000	82	
Pulpwood, Roundwood (in cords of 128 cubic Feet)	168317	9876	4812	238	6242	268	87043	-48.3
Pulpwood Chips	1684950	51394	137140	3698	117687	2660	1683605	-0.1
Wood Pulp, Total	3800713	1648868	350136	129027	228059	84311	3364194	-11.5
Waste Fibrous Materials, Total	120498	21239	11589	2126	9977	1835	125592	4.2
Paper, Board & Products,Total	8037877	3282788	681489	286496	587310	242398	7706363	-4.1
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	8001585	3219080	687550	280156	584012	237270	7663815	-4.2
Paper Paperboard & Products	7675713	3210134	656897	278574	568691	238374	7325528	-4.6
Paper & Paperboard, Only	7639420	3146427	652958	272233	566393	233247	7283080	-4.7
Paper, Total	7509823	3112917	638619	268626	556173	230891	7169660	-4.5
Newsprint	6935875	2807549	566032	231558	497723	200918	6484605	-6.5
Printing,Writing & Rel.Pap.	482408	242844	68286	32896	53446	26373	612750	27.0
Pack. & Ind. Conv. Paper	82414	54433	5797	3701	4323	2925	64727	-21.5
Special Industrial Paper	2279	3639	120	210	210	350	1898	-16.7
Tissue Paper	6748	4452	383	262	469	324	5680	-15.8
Paperboard, Total	129597	33510	14340	3607	10219	2356	113420	-12.5
Convtd Paper&Paperbd Products	36292	63708	3939	6341	3299	5128	42448	17.0
Wet Machine Board	1064	573	152	95	185	39	1302	22.4
Construction Paper & Board	361101	72080	34439	7828	17434	3825	379533	5.1

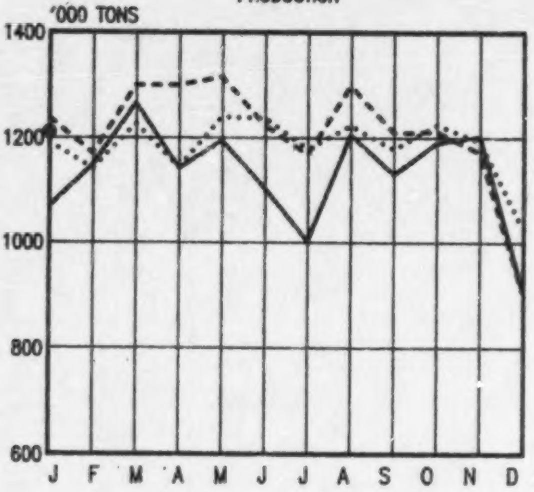
EXPORTS TO CANADA

	YEAR 81		NOV. 82		DEC. 82		Annual Rate Y-T-D	% Change From same Period Last Year
	Tons	$000	Tons	$000	Tons	$000	82	
Pulpwood, Roundwood (in cords of 128 cubic Feet)	185312	10444	8847	669	4180	322	107700	-41.9
Pulpwood Chips	38471	1525	865	40	2635	117	27650	-28.1
Wood Pulp, Total	118821	56740	8883	4227	9323	4055	116067	-2.4
Cotton Pulp & Other Pulp	5900	3860	606	394	1118	537	6790	15.1
Waste Paper	356523	41185	23404	2921	23843	2708	271395	-23.9
Paper, Board & Products,Total	695992	504904	60102	43221	52192	35696	583178	-16.2
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	527486	365270	34650	23163	34640	21744	383542	-27.3
Paper, Paperboard & Products	656327	489675	58298	42544	51051	35217	561326	-14.5
Paper & Paperboard, Only	487822	350041	32846	22486	33498	21266	361690	-25.9
Paper, Total	278136	247806	17290	16278	15789	14365	188645	-32.2
Newsprint	8435	6155	343	350	273	253	3037	-64.0
Printing,Writing & Rel.Pap.	162623	134132	10336	8135	10187	7974	113247	-30.4
Pack. & Ind. Conv. Paper	24365	17449	2153	1328	1538	1082	20289	-16.7
Special Industrial Paper	75854	84471	4010	6055	3615	4938	48129	-36.6
Tissue	6858	5800	449	410	177	110	3864	-43.7
Paperboard, Total	209686	102235	15556	6209	17710	6900	173045	-17.5
Convtd Paper&Paperbd Products	168505	139634	25453	20058	17552	13952	199638	18.5
Wet Machine Board	7201	4215	171	85	283	148	4365	-39.4
Construction Pap & Bd. E	32464	11014	1633	592	858	330	17488	-46.1

SOURCE: Bureau of Census, Department of Commerce.   E - Estimate of tonnage based on square foot data

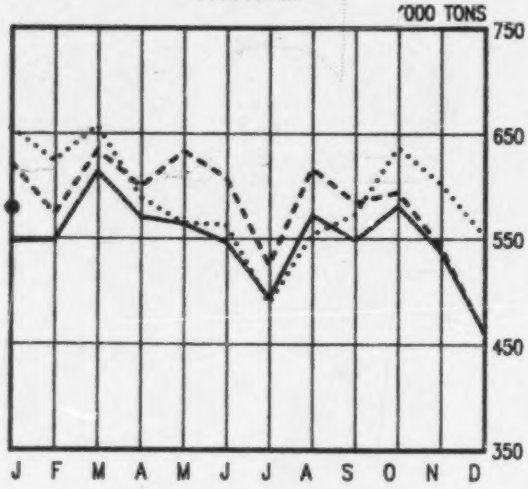
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



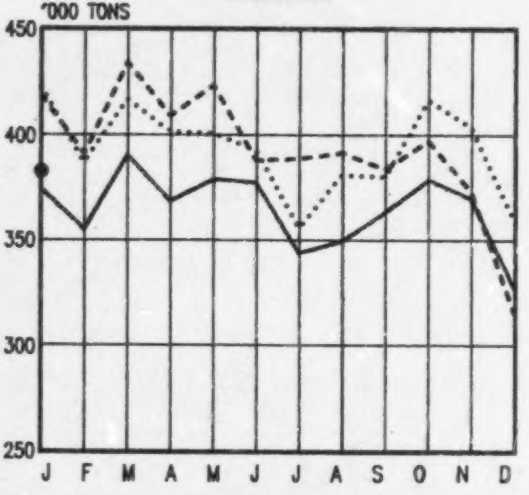
RECYCLED PAPERBOARD

PRODUCTION



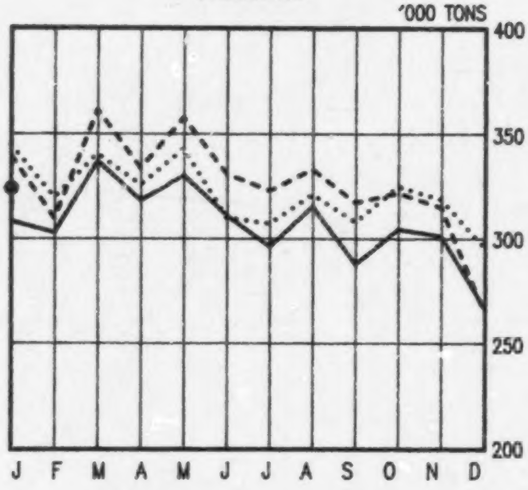
SEMICHEMICAL PAPERBOARD

PRODUCTION



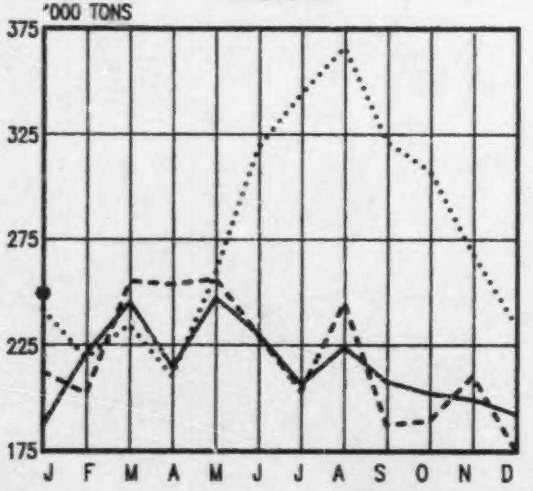
SOLID BLEACHED PAPERBOARD

PRODUCTION



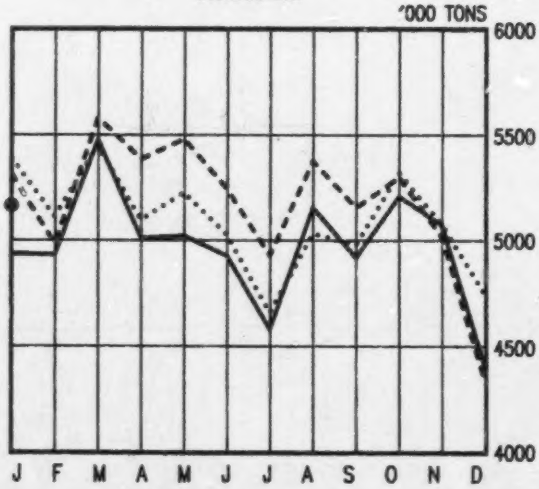
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1980 ········ 1981 - - - - 1982 ——— January 1983 ●

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 81 Tons	$000	NOV. 82 Tons	$000	DEC. 82 Tons	$000	(1) Annual Rate Y-T-D 82	% Change From same Period Last Year
Pulpwood, Roundwood (cords)	168331	9876	4812	238	6242	268	87034	-48.3
Pulpwood Chips	1684969	51400	137140	3698	117700	2663	1687226	0.1
Total All Imports	12559288	5469721	1109257	460940	880031	370363	11819540	-5.8
Wood Pulp, Total	4086698	1784289	374739	135861	264408	96229	3655966	-10.5
Waste Paper	78064	13405	6818	879	5244	606	71035	-10.2
Other Fibrous Materials	54376	19535	5628	2131	5677	2150	70088	28.9
Paper, Board & Products, Total	8339150	3672493	722072	322068	604702	271378	8022452	-3.8
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	8244942	3361888	712866	293914	596329	244907	7915863	-4.0
Paper, Ppbd & Prds ex Cnst&WMB	7940970	3592969	684012	313443	584105	266742	7601094	-4.3
Paper & Paperboard, Only	7846763	3282364	674808	285288	575732	240270	7494506	-4.5
Paper, Total	7716285	3247847	660226	281518	565448	237817	7378698	-4.4
Newsprint	6977118	2824777	566618	231779	498381	201156	6530676	-6.4
Printing & Writing	638538	347116	85784	43891	60987	31854	764185	19.7
Uncoated Groundwood	458815	219697	60728	28179	41602	19524	514882	12.2
Uncoated Book	114422	64874	12831	7216	11100	6132	142628	24.6
Coated Print.& Impres. Pap	39321	28765	8057	5067	5029	3452	69010	75.5
Bristols	910	656	44	46	41	28	391	-57.1
Writing and Similar Paper	12955	15478	2824	2069	2215	1612	25983	100.6
Thin (except Cigarette)	12015	17647	1299	1314	1000	1107	11293	-6.0
Total Pkg & Other Paper	93588	71124	7418	5537	5599	4463	78009	-16.6
Unbleached Kraft Paper	32532	14870	2733	1301	1721	699	23078	-29.1
Other Pkg. & Indust. Paper	61056	56254	4685	4237	3878	3763	54931	-10.0
Tissue	7040	4830	407	310	481	344	6828	-3.0
Paperboard, Total	130478	34518	14582	3771	10284	2453	114808	-12.0
Test or Containerboard	48169	12071	5399	1341	3880	937	35983	-25.3
Semi-Chemical Corrugating	52476	11695	5131	994	4300	829	47285	-9.9
Other Paperboard	29832	10751	4052	1436	2094	688	31531	5.7
Convtd Paper&Paperbd Products	94208	310605	9204	28155	8373	26472	106589	13.1
Paper Products, Total	86876	294479	7909	24951	7132	23743	92057	6.2
Paperboard Products, Total	7531	16126	1285	3204	1242	2729	14531	92.9
Wet machine Board	1684	1185	184	122	217	138	1842	8.4
Construction Paper & Board	396496	78338	37876	8503	20380	4499	419515	5.8
Notes								
Other: No Weight Avail. ($000)		109042		10643		9892	122524	12.4
Total Imports Incl. Other($000)		5578763		471583		380255	5341893	-4.2

EXPORTS

							(1)	
Pulpwood, Roundwood (cords)	188598	10555	8592	670	4375	330	111692	-40.8
Pulpwood Chips	3846049	314037	185904	14004	212911	16362	2860133	-25.6
Total All Exports	10663148	4905814	718786	306987	798786	332526	9969918	-6.5
Wood Pulp, Total	3677635	1661311	246718	96429	285161	108843	3394240	-7.7
Cotton Pulp and Other Pulp	131910	85195	7431	5314	8487	6161	104560	-20.7
Waste and Old Paper	2212549	268526	156423	17382	160954	17314	2224689	0.5
Paper, Board & Products, Total	4841054	2890782	308214	187862	344184	200208	4246449	-8.5
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	4033988	2079937	255819	119449	295564	130436	3670915	-9.0
Paper, Ppbd & Prod ex Cnst&WMB	4561410	2853148	303978	186041	338431	197157	4187029	-8.2
Paper & Paperboard, Only	3854344	2042303	251583	117629	283811	127385	3611496	-8.7
Paper, Total	1008409	846775	49337	44432	54887	43182	840772	-16.6
Newsprint	270460	139702	16578	7835	20261	9035	307655	13.8
Printing & Writing	383317	354608	15889	15069	17056	15811	246584	-35.7
Uncoated Groundwood	119673	91966	2386	2171	2966	2535	55913	-53.3
Clay Coated Paper	88597	78328	5470	4287	6535	4773	81368	-8.2
Uncoated Free Sheet	116752	119591	5455	5880	4337	5009	70587	-39.5
Other Printing & Writing	58295	64723	2578	2731	3218	3495	38716	-33.6
Total Pkg. & Other Paper	302887	304623	15219	19555	16218	16839	263228	-13.1
Unbleached Kraft	110801	50980	5112	2195	6869	2489	89063	-19.6
Other Pkg. & Indust. Paper	192086	253643	10107	17360	9349	14350	174165	-9.3
Tissue	51745	47842	1652	1972	1352	1497	23306	-55.0
Paperboard, Total	2845935	1195528	202247	73197	234924	84203	2770723	-5.9
Solid Wood Pulp	2772413	1110744	188972	66493	224172	79424	2621486	-5.4
Total Linerboard	1973487	660285	131175	33621	152837	39706	1886187	-4.4
Bleached Kraft Linerboard	151979	52546	6786	3274	9418	4018	67595	-55.5
Unbleached Kraft Linerbd	1821509	607739	124389	30347	143419	35688	1818593	-0.2
Other Unbleached Kraft	148855	63341	8956	4690	13066	5497	139215	-6.3
Other Bleached Kraft	584250	367530	42867	26751	51780	32704	534663	-8.5
Semi-Chemical Corrugating	65821	19588	4974	1431	6489	1516	61420	-6.7
Recycled Paperboard	173522	84784	13275	6704	10752	4780	149238	-14.0
Convtd Paper&Paperbd Products	607066	810845	52395	68413	48621	69772	575534	-5.2
Paper Products, Total	362337	580602	23317	42583	23636	47789	315736	-12.9
Paperboard Products, Total	244729	230243	29078	25830	24984	21983	259798	6.2
Wet Machine Board	10812	7039	1223	430	812	422	11088	2.6
Construction Paper & Board E	68832	30595	3013	1391	4942	2629	48332	-29.8
Notes								
Other: No Weight Avail. ($000)		11235		542		516	8989	-12.2
Total Exports Incl. Other($000)		4917049		307529		333042	4317661	-12.2

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES
1967 = 100

	81	82	OCT.	NOV.	DEC.	JAN.	Annual Rate Y-T-D 1982	% Change From Same Period Last Year
Pulp, Paper and Products except Building Grades	406.3	273.3	270.4	269.9	269.1	269.1	269.1	-2.5
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	272.4	275.9	273.0	272.5	271.7	271.7	271.7	-2.4
Total Wood Pulp	397.1	379.6	352.5	349.4	349.3	358.5	358.5	-12.6
Total Paper	279.8	286.5	285.6	281.7	280.0	279.8	279.8	-3.3
Total Paper, exc. Newsprint	271.1	278.4	276.2	276.1	274.5	274.1	274.1	-2.8
Newsprint	307.5	316.2	318.4	303.7	300.7	300.7	300.7	-5.1
Total Paperboard	258.1	254.9	248.0	247.6	244.5	243.6	243.6	-6.2
Total Paper and Paperboard #	273.1	276.7	273.8	271.0	268.9	268.4	268.4	-4.1
Converted Products	258.8	264.4	263.9	265.0	264.8	265.0	265.0	0.4
Waste Paper	175.7	121.1	116.0	116.0	116.0	116.0	116.0	-14.2
All Commodities	293.4	299.3	299.9	300.4	300.6	300.0	300.0	0.6
Industrial Commodities	304.1	312.3	314.4	315.1	315.0	314.0	314.0	0.7

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Paper and Allied Products Companies
Sales and Earnings

	Sales $ Million	Earnings	Margin On Sales	Change From Comparable 1981 Period Sales	Change From Comparable 1981 Period Earnings
34 Companies					
1981					
1st Quarter	$10,447	$ 534	5.1%		
2nd Quarter	11,051	604	5.5%		
3rd Quarter	10,672	456	4.3%		
4th Quarter	10,184	479	4.7%		
Year	$42,354	$2,073	4.9%		
1982					
1st Quarter	$ 9,756	$ 287	2.9%	-6.6%	-46.3%
2nd Quarter	10,048	309	3.1%	-9.1%	-48.8%
3rd Quarter	10,062	324	3.2%	-5.7%	-28.9%
4th Quarter	10,081	77	0.8%	-1.0%	-83.9%
Year	$39,947	$ 997	2.5%	-5.7%	-51.9%

Continued from Page 2

Production of paperboard in January 1983 was supported by a fairly strong demand for exports. At 248,000 tons, production for export was 32.5% above its year-ago rate. Major strength was recorded in the kraft paperboard grade where the 180,000 tons total for export was 37% above its year-ago level. These exports were at a rate of 2.2 million tons per year, compared to the 2.4 million tons exported in the peak year 1980, when the People's Republic of China added an extra filip to the export market. Exports of bleached paperboard, as noted above, were also strong, running 14% above their year-ago level.

Imports and Exports

The Department of Commerce has now reported complete data on imports and exports of paper, paperboard and products for 1982. The data show that total exports of the paper and allied products industry were valued at $4.3 billion, 12% below the $4.9 billion exported in 1981. Imports amounted to $5.3 billion, off 4% from the $5.6 billion imported in 1981.

In tonnage terms, as the data on page 9 show, exports of paper plus paperboard, excluding construction grades fell 8.7% with the paper grades showing a 16.6% decline while paperboard exports dropped about 6%. For the important linerboard category, however, the Bureau of Census reported unbleached kraft linerboard exports down 0.2%. This was consistent with the API data, which showed a decline of 0.8%.

The Bureau of Census also reported that exports of wood pulp in 1982 were 7.7% below their 1981 level; this compares with an 8% decline in API data on export report. The two series continue to show differences in levels. Imports of the primary paper and paperboard grades in 1982 amounted to 7.5 million tons, 352,000 tons, or 4.5%, below the 1981 total. On a tonnage basis, the largest decline was in the imports of newsprint, which fell 446,000 tons or 6.4% below the 1981 level in 1982, to a level of 6.5 million tons. The decline in newsprint imports was offset to some extent by a 126,000 ton (20%) increase in printing and writing paper imports, spread across all major grades.

Raw Materials

The Pulp and Raw Materials Division of API reports that the production of wood pulp, at 49.4 million short tons, was 5.1% below the record-high 52.0 million tons produced in 1981. Production of the paper grade pulps, however, fell by 4.8% from 1981 to 1982. Imports fell more sharply with the chemical grade pulp imports dropping 9.7% to 3.3 million tons and the other grades down 8.5% to 167,000 tons.

Continued on Page 12

Continued from Page 11

In the market pulp grades, the 1982 production was reported at 5.7 million tons, 8.7% below the 1981 level and 12.6% below the 1980 high. Exports of market pulp, as reported by API, showed an 8.1% decrease, largely concentrated in the dissolving pulp grades. Market pulp exports of the chemical wood pulp grades in 1982 were down 5.9%, to 2.4 million tons. Despite the decline, this amount was high by historical standards, in that it was second only to the 2.6 million tons exported in each of the years 1980 and 1981.

The table on page 5 also shows data on consumption of wood pulp and waste paper at paper and paperboard mills. (The wood pulp data reflect estimates of consumption at paper and paperboard mills, excluding the wet machine board and construction paper and board mills.) Wood pulp consumption at paper and paperboard mills in 1982 amounted to 48.5 million tons, 4.6% below the comparable 1981 level. This compares with the 4.2% decline in paper and paperboard production.

The lower part of the table on page 5 also shows that the combined consumption of wood pulp and waste paper at paper and paperboard mills was down 4.2%, consistent with the reported decline in total paper and paperboard production. There were no data available on consumption of other fibrous materials - rags, straw, rope, hemp, etc. In the past this total has been well under 1 million tons per year.

Sales and Earnings

The dollar sales reported by 34 companies whose major products are in the paper and allied products industry amounted to $39.9 billion in 1982, 5.7% below the comparable 1981 total. This compares to the 4.2% decline in production of paper and paperboard reported for 1982. These companies accounted for about 65% of the total sales of paper and allied products companies as reported by the Federal Trade Commission; both series include sales of products other than paper and paperboard. (The Federal Trade Commission data for 1982 as a whole will not be available until April.)

Earnings of the 34 reporting paper companies in 1982 amounted to $1.0 billion, 51.9% below 1981, a much larger decline than sales.

The table on page 10 presents quarterly data on sales and earnings of these companies in 1982 and 1981 together with the calculated margin on sales in each of the quarters shown and the percentage changes in the quarterly data from 1981 to 1982. The sharp decline in total earnings reported for the fourth quarter of 1982 reflected the impact of a total of $178 million in losses reported by 5 companies. For those companies that reported a profit in the fourth quarter of 1982, total profits declined 41.6% in the fourth quarter of 1982 from their year-ago level; their sales margin in the 1982 quarter was 3.3%.

February 26, 1983	Full Year		INDUSTRY DATA			1983 Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			1982		1983		
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1981	1982	November	December	January		
Total Production (API).......| excluding |...	62274	59669	5075	4408	5199	62380	5.3
Total Seasonally Adjusted....|construction|...			5098	4902	5259	63104	5.3
Imports (including Products).| and wet |..E	7941	7601	684	584	N.A.	N.A.	N.A.
Exports (including Products).| machine |..E	4561	4187	304	338	N.A.	N.A.	N.A.
Apparent Consumption.........| grades |...	65654a	63083 b	5478	5148	5509	66108c	+3.0
Paper Production % Tonnage Capacity...........	92.1s	87.6Rs	91.1	77.8	85.9	88.3sh	-
Paperboard Production % Tonnage Capacity......	90.6s	82.5Rs	83.5	66.1	83.1	87.1s	-
			November	December	January		
IMPORTS.....|Including Construction and |.....	8339	8022	740	722	N.A.	N.A.	N.A.
EXPORTS.....| WMB Grades (excl. HPB) |.....	4641	4246	373	308	N.A.	N.A.	N.A.
MARKET WOOD PULP PRODUCTION - Tons (000).........	6210	5668	507	376	N.A.	N.A.	N.A.
TOTAL WOOD PULP PRODUCTION - Tons (000)..(F)....	52041	49367	4189	3548	N.A.	N.A.	N.A.
WOOD PULP IMPORTS - TONS (000)..................	4087	3656	375	264	N.A.	N.A.	N.A.
WOOD PULP EXPORTS - TONS (000)..................	3678	3394	247	285	N.A.	N.A.	N.A.
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS | excluding |			November	December	January		
Wood Pulp.............|consumption for|.....	50822	48473	4114	3524	N.A.	N.A.	N.A.
Waste Paper...........|construction & |.....	13875	13525	1108	1025	N.A.	N.A.	N.A.
TOTAL..........| WMB grades |.....	64697	61998	5222	4549	N.A.	N.A.	N.A.
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	79747	79156	6789	5967	N.A.	N.A.	N.A.
EMPLOYMENT (000)			November	December	January		
Paper and Allied Products..........Total......	687.8	659.5	652.4	648.9	644.3	644.3	-3.7
Pulp, Paper and Board Mills........Total.....E	266.6	255.8	253.7	252.0	250.0	250.0	-3.7
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products......................	8.60	9.33	9.60	9.65	9.62	9.62	6.1
Pulp, Paper Mills..........................E	10.06	10.91	11.27	11.28	11.28	11.28	7.3
Paperboard Mills...........................E	10.23	11.13	11.55	11.71	11.70	11.70	8.6
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1982 Q3	1982 Q4	1983 Q1		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	6.72	5.96	6.16	5.65	5.74	5.74	-5.1
INDEX OF OUTPUT PER MAN-HOUR (1977=100).........			November	December	January		
|IN PULP, PAPER |...Production Workers..........	108.2	110.8	115.6	109.0	N.A.	N.A.	N.A.
|AND BOARD MILLS|...All Employees.............	107.5	109.2	113.6	107.3	N.A.	N.A.	N.A.
PAPER AND ALLIED PRODUCTS (Million $)			November	December	January		
Industry Shipments (Dept. of Commerce)*........	79505	78107	6486	6433	N.A.	N.A.	N.A.
Pulp, Paper and Paperboard*..................	34260	32521	2698	2623	N.A.	N.A.	N.A.
Inventories (End of Period) - Total Industry*.	8825	8864	8880	8864	N.A.	N.A.	N.A.
Pulp, Paper and Paperboard*..................	3461	3577	3643	3577	N.A.	N.A.	N.A.
			1982 Q3	1982 Q4	1983 Q1		
Sales (Corporations Only, FTC)................	62699	60472K	14913	N.A.	N.A.	N.A.	N.A.
Earnings (Corporations Only, FTC)............	3110	1682K	408	N.A.	N.A.	N.A.	N.A.
Depreciation (Corporations Only, FTC).........	2267	2379K	602	N.A.	N.A.	N.A.	N.A.
Net Worth (Corporations Only, FTC)............	26558	26795K	26795	N.A.	N.A.	N.A.	N.A.
PRICE INDEXES (Bureau of Labor Stats)1967=100			November	December	January		
Pulp, Paper & Products, ex. Building Grades...	406.3	273.3	269.9	269.1	269.1	269.1	-2.5
Wood Pulp....................................	397.1	379.6	349.4	349.3	358.5	358.5	-12.6
Waste Paper..................................	175.7	121.1	116.0	116.0	116.0	116.0	-14.2
Paper..	279.8	286.5	281.7	280.0	279.8	279.8	-3.3
Paperboard...................................	258.1	254.9	247.6	244.5	243.6	243.6	-6.2
PAPER DEMAND (INDEXED: 1967=100)			November	December	January		
Total Paper Production *......................	148.4	145.3	149.3	145.0	151.5	151.5	3.4
Paper New Supply *............................	137.3	134.9	141.0	133.2	140.3	140.3	2.4
Total End - Use Index *.....................	150.3	149.5	148.2	149.6	152.2	152.2	1.6
Production of Nondurable Goods *...(19%)..	164.7	156.1	155.2	155.5	156.3	156.3	0.8
Disposable Income (Constant $) *...(23%)..	154.3	157.5	158.6	159.0	165.7	165.7	6.4
Total Printing and Publishing *...(58%)..	144.0	144.2	141.8	144.0	145.5	145.5	-0.1
Trend Factor	---------------------------Not Available------------------------						
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *................	137.1	128.5	131.1	124.7	137.5	137.5	7.4
Production for Domestic Use	132.9	124.0	127.8	121.5	131.9	131.9	5.3
Total End - Use Index *.....................	149.3	139.5	136.5	136.8	138.2	138.2	-0.8
Production of Consumer Goods *...(60.49%)	147.8	142.7	141.1	142.0	143.3	143.3	2.7
Production of Equipment *...(6.62%)	151.6	139.7	134.3	135.2	135.5	135.5	-7.9
Production of Materials *...(32.89%)	151.5	133.7	128.5	127.7	129.4	129.4	-5.7
Trend Factor	---------------------------Not Available------------------------						
NEWSPRINT MARKETS			November	December	January		
Consumption by Publishers - Tons (000).........	11205	11141	983	994	909	10913	4.4
Newspaper Pub. and Printing Empl. Total(000)..	421.9	424.8	425.9	427.6	N.A.	N.A.	N.A.
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	123182	120617	13403	9696	N.A.	N.A.	N.A.
WHOLESALERS SALES AND INVENTORIES (Million $)(J)							
Total Paper & Pap. Prdcts..ex Wallpaper..Sales	24381	24615	2032	2141	N.A.	N.A.	N.A.
Inventories (End of Period)	2095	2030	2141	2030	N.A.	N.A.	N.A.
FIBRE BOX DATA (Fibre Box Association)			November	December	January		
Fibre Box Shipments (Million square feet)......	246152	234845	19072	17540	19980	239760	5.7
Container'bd Inventory at Mill & Plant(000Tons)	2729	2590	2524	2590	2459	2459	-1.0
RETAIL TRADE (Million $)							
Total Retail Sales *..........................	1044587	1069019	92546	91482	91575	1098900	7.3
Nondurable Goods Stores Sales *..............	716262	736491	62371	62208	62578	750936	4.3
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	150.9	138.6	134.8	135.0	136.2	136.2	-3.2
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	293.4	299.3	300.4	300.6	300.0	300.0	0.6
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	272.4	289.1	293.6	292.4	289.1	289.1	2.3
			November	December	January		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	333.4	343.4	337.0	343.4	N.A.	N.A.	N.A.
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1982 Q3	1982 Q4	1983 Q1		
G.N.P. or Expenditure - Current $.............	2937.7	3057.6	3088.2	3101.4	N.A.	N.A.	N.A.
G.N.P. or Expenditure - 1972 $................	1502.6	1476.0	1481.1	1473.9	N.A.	N.A.	N.A.

lb/capita

Pap&Papbd		Othr		Totl	Popul(mil)
.a - 572	+	21	=	593	229.8
.b - 544	+	15	=	559	232.0
.c - 567	+	18	=	585	233.0

.E - Last month estimated by API
.e - estimated by API

s - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
j - Census unpublished data; standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter
K - ANNUAL RATE, FIRST 3 QUARTERS 1982

R - Revised
RS - Revised Series
y - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

FEBRUARY 28,1983

PRODUCTION (000 TONS)

	Jan. 1983	Dec. 1982	Jan. 1982	Jan - Jan. 1983	- 1982	% Change 83/82
PAPER GRADES	P	R				
Newsprint	444	364	458	444	458	-2.9
Printing & Writing	1340	1235	1283	1340	1283	4.4
Uncoated Groundwood (s)	114	112	112	114	112	1.9
Coated Paper (s)	427	398	404	427	404	5.7
Uncoated Free Sheet Paper (s)	686	625	650	686	650	5.5
Thin Paper (s)	28	24	27	28	27	4.9
Cotton Fiber Paper (s)	11	9	11	11	11	1.9
Bleached Bristols (s)	75	68	80	75	80	-6.7
Tissue Paper	390	374	358	390	358	9.0
Total Pkg & Other Paper	448	401	439	448	439	2.2
Unbleached Kraft Packaging & Indl. Converting (s)	325	274	313	325	313	3.7
Other Paper *	123	126	126	123	126	-1.8
TOTAL PAPER	2623	2373	2538	2623	2538	3.4
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1283	976	1170	1283	1170	9.7
Unbleached Kraft Linerboard	1202	915	1073	1202	1073	12.0
Other Unbl. Kraft Paperboard	81	61	97	81	97	-16.7
Semichemical Paperboard	383	328	375	383	375	2.2
Bleached Paperboard	322	268	308	322	308	4.5
Recycled Paperboard	587	464	545	587	545	7.7
TOTAL PAPERBOARD	2575	2035	2398	2575	2398	7.4
TOTAL PAPER AND PAPERBOARD	5198	4408	4936	5198	4936	5.3

WOOD PULP (ALL GRADES)	Dec. 1982	Nov. 1982	Dec. 1981	Jan - Dec. 1982	- 1981	% Change 82/81
Dissolving & Special Alpha	66	99	85	1092	1353	-19.3
Bleached Sulphite	85	98	101	1242	1403	-11.5
Unbleached Sulphite	27	30	30	345	399	-13.7
Bleached & Semi-Bl. Sulph.	1450	1700	1410	19721	20070	-1.7
Unbleached Sulphate	1267	1564	1292	18170	19574	-7.2
Semichemical	264	290	280	3700	3924	-5.7
Groundwood and Thermo-Mechanical	388	409	420	5097	5320	-4.2
TOTAL PULP DIVISION DATA	3548	4189	3617	49367	52041	-5.1

(s) - Shipments   R - Revised   E - Estimate
P - Preliminary   * - Revised series based on A.P.I. data.

NOTE

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Congressional Information Service, Inc.
Washington, D.C.
CIS

A2500-2 4/11/83

Paper
Paperboard
& Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 61 - No. 3 **March 1983**

Production of Paper and Paperboard Holds Early 1983 Gains

The trend position of paper and paperboard production in February 1983 (average of January-February seasonally adjusted data) was at the rate of 62.6 million tons per year. This was 2.6% above the relatively high rate of production in the comparable months of 1982, and compares favorably with the 62.3 million tons of paper and paperboard produced in the record-year 1981.

Data for the first two weeks in March point to a flattening of the production trend, with its rate holding close to the 62 million ton per year level.

Production of the printing/writing grades continue to show the strength evident during the past three years. The January-February total, for example, was 4.2% above the comparable 1982 level and compared favorably with the average rate in the record-year 1981. The largest gain among these grades in the January-February 1983 period was in coated paper, where production was 7.8% above its year-ago total. Its seasonally adjusted rate, at 5.2 million tons per year, was well above the 1982 record-high 5.0 million tons per year. These grades find their major markets in magazines and commercial printing, including the annual reports of corporations and the advertising brochures sent out by department stores and other advertisers requiring good color reproduction. These have been good growth markets.

The uncoated free sheet papers also were strong, showing a 4.2% gain over their year-earlier level. The seasonally adjusted rate of 8.2 million tons per year was above the average levels achieved in both 1981 and 1982. The major markets for these grades include office copy paper, computer printout paper, and other types of form bond. These papers are also used for books, commercial printing and in a host of other applications where written, printed or visual communication through hard copy is required.

Continued on Page 2

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Continued from Page 1

The other grades of printing paper showed a somewhat weaker performance. The production of groundwood paper in January-February 1983, for example, was 1.9% above its year-ago level, but the annual rate of production was well below that achieved in both 1981 and 1982. These grades are used primarily in directories and catalogs. Domestic grades of uncoated groundwood paper are meeting strong competition from imports, primarily from Canada. The Department of Commerce reported that imports of uncoated groundwood paper in January 1983 amounted to 53,000 tons, well above the total imported in January 1982 and accounted for nearly one-third of the total new supply (production plus imports less exports) of uncoated groundwood paper in that month. For 1982 as a whole, imports of uncoated groundwood paper accounted for 27% of the total new supply.

Thin and cotton fiber paper production held close to year-ago levels; these grades have been in a flat trend for some time. Production of bleached bristols moved further downward, with weakness evident in all the grades. Bleached bristols production dropped 11% from 1981 to 1982; production in the first two months of 1983 was nearly 10% below its comparable year-ago level.

The table on page 3 shows that tissue paper production for the first two months of 1983 was up some 7.5% over the year-ago total. While these are preliminary data, they do give evidence of a strong demand.

Data on the production of packaging grades of paper in the early weeks of 1983 had indicated some strength but more recent performance suggests a slackening in demand. The January 1983 total, for example was 5.5% above that of January 1982. Last year the rate of production in February and March rose sharply--the seasonally adjusted rate was 10% above the January seasonally adjusted level--but this year the February seasonally adjusted rate was about 2% below that of January. Thus, the data now show that the combined January-February total production of packaging and other papers was within 0.4% of the year-ago level.

Paperboard production also responded to the improvement in industrial production evident so far in 1983. Production of containerboard for domestic use, for example, was up 2.4%, according to the monthly data from API members. This compares to a 3.2% increase in shipments of fibre boxes, as reported by the Fibre Box Association. Production of kraft linerboard was sustained by a relatively strong demand for exports. API data show that the January-February 1983 export total was nearly 14% ahead of the comparable year-ago level, proceeding at a rate in excess of 2 million tons per year.

Continued on Page 10

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

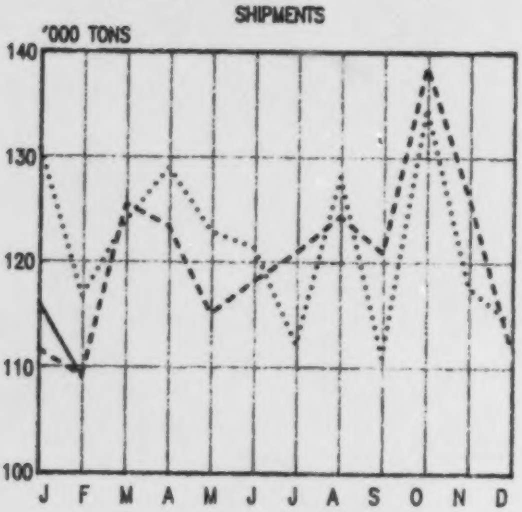
	YEAR 81	YEAR 82	NOV. 82	DEC. 82	JAN. 83	FEB. 83	Annual Rate Y-T-D 83	% Change from same Period Last Year
PAPER					R	P		
Newsprint - Production	5238	5042	411	364	444	417	5166	-1.5
- Shipments	5220	4988	428	381	408	386	4763	-8.0
Printing & Writing	15736	15655	1337	1235	1377	1251	15765	4.2
Groundwood Paper - Shipments	1463	1446	126	112	116	108	1349	1.9
- New Orders	1448	1457	121	108	123	110	1402	0.1
- Unfilled Orders	100	81	93	51	86	101	101	9.8
Coated Paper - Shipments	4940	5031	433	398	442	413	5131	7.8
- New Orders	4853	4997	415	412	444	401	5071	1.4
- Unfilled Orders	360	325	308	325	318	307	307	-20.3
Unctd Free Sheet - Shipments	7898	7864	670	625	709	628	8023	4.2
- New Orders	7735	7836	656	642	704	658	8181	6.5
- Unfilled Orders	370	322	305	322	317	343	343	-1.7
Thin Paper - Shipments	336	323	25	24	27	27	322	1.1
Cotton Fiber Paper - Shipments	125	121	9	9	10	10	121	-0.5
Bleached Bristols - Production	874	870	74	68	73	64	819	-9.5
Tissue Paper - Production	4518	4438	383	374	390	390	4680	7.5
Total Packaging & Other Paper *	5550	5260	457	401	463	441	5425	-0.4
Unbl. Kraft Paper - Shipments	3873	3657	327	274	330	307	3823	-0.3
Other Paper - Production *	1678	1604	130	126	133	134	1601	-0.6
TOTAL PAPER-Production-Unadj.	31042	30386	2588	2373	2674	2499	31036	2.9
-Production-S.A.			2606	2530	2695	2608	31822	2.8
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	24231	22682	1949	1571	1891	1831	22932	2.0
Unbl. Kraft Linerboard (1)	14540	13588	1204	915	1203	1104	13847	3.9
Production for Export	1887	1871	145	136	182	155	2018	13.7
Other Unbl. Kraft Paperboard	1062	1030	74	61	81	74	931	-15.0
Semichemical Paperboard	4719	4381	370	328	381	346	4367	-0.3
Production for Export	155	178	15	13	16	17	203	28.3
Solid Bleached Paperboard	3810	3682	301	268	325	306	3787	3.2
Production for Export	557	514	39	41	50	48	590	17.3
Recycled Paperboard	7001	6593	538	464	585	554	6833	3.8
Production for Export	24	15	1	1	3	1	23	39.0
TOTAL PAPERBOARD-Prod.-Unadj.	31232	29275	2487	2035	2577	2384	29766	2.4
- Containerboard Prod.(Dom. Use)	19040	17675	1564	1214	1545	1428	17837	2.4
- Boxboard Prod.(Dom. Use) (2)	5544	5196	424	363	458	421	5274	-0.1
- All Other P'bd Prod.(D.U.) (2)	4026	3826	300	265	302	314	3692	-5.5
- Total Paperbd Prod. for Export	2622	2578	199	192	251	222	2833	15.6
TOTAL PAPERBOARD PROD. - S.A.			2492	2372	2616	2518	30802	2.3
TOTAL PAPER AND PAPERBOARD								
Production - actual	62274	59671	5075	4408	5250	4883	60801	2.7
Production - S.A.			5098	4902	5311	5126	62624	2.6

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

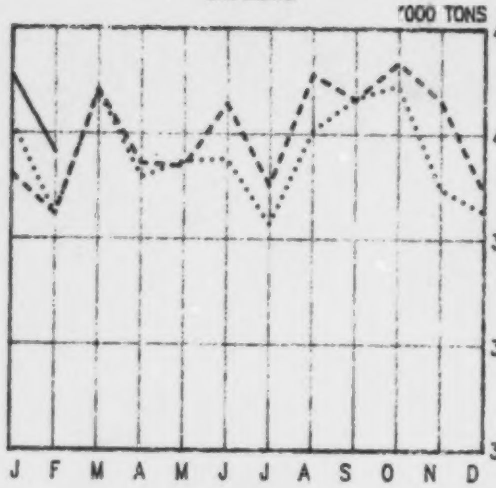
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



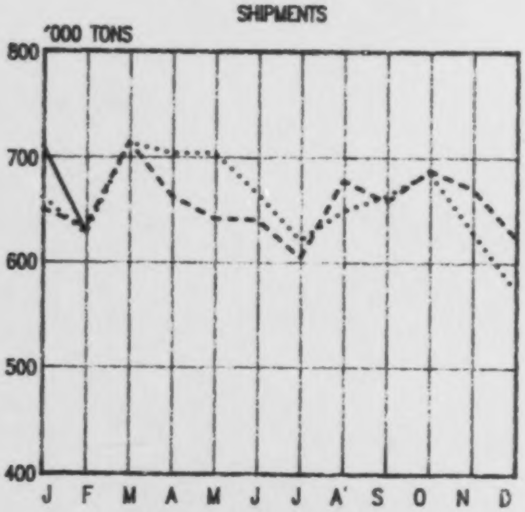
COATED PAPER

SHIPMENTS



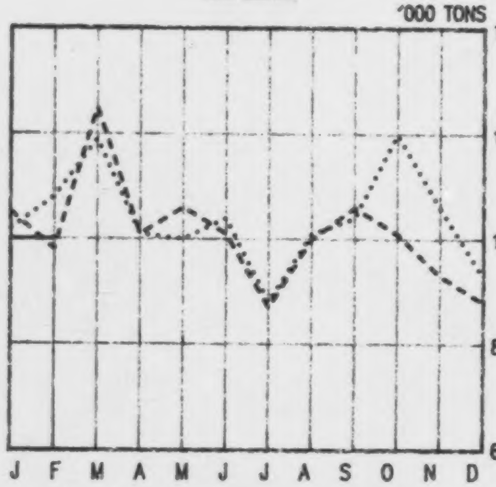
UNCOATED FREE SHEET PAPERS

SHIPMENTS



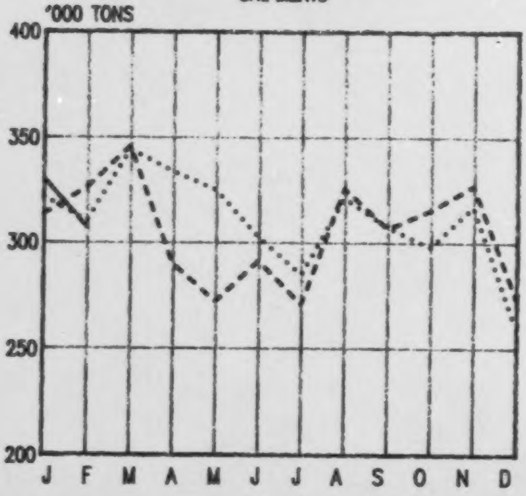
COTTON FIBER PAPER

SHIPMENTS



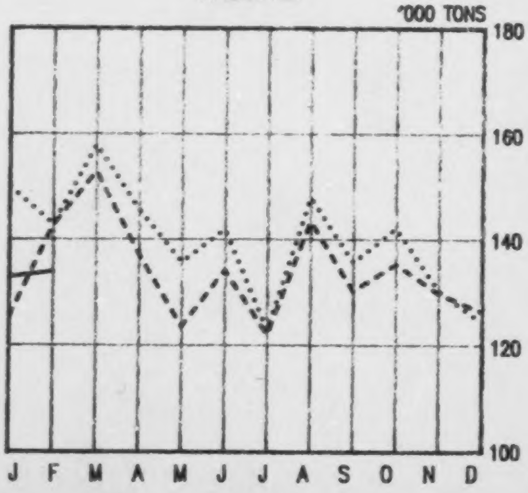
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1981 ········ 1982 ----- 1983 ———

WOOD PULP STATISTICS

(Thousands of Tons)

	YEAR		OCT.	NOV.	DEC.	JAN.	Annual Rate Y-T-D	% Change From same Period Last Year
	81	82	82	82	82	83	83	
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	52041	49367	4226	4189	3548	4247	50969	4.5
- Imports	4087	3656	303	375	264	309	3712	14.4
- Exports	3678	3394	237	247	285	234	2806	5.7
- New Supply	52450	49628	4292	4317	3527	4323	51875	5.1
Dissolving Pulp - Production	1353	1092	96	99	66	88	1058	-10.5
- Imports	249	186	19	19	10	25	298	-16.7
- Exports	784	631	5[illegible]	55	51	59	714	20.1
- New Supply	818	647	65	62	24	54	643	-32.1
Paper Grades - Production	41445	39478	3361	3391	2830	3403	40836	6.3
Chemical Pulp - Imports	3655	3302	269	331	249	274	3285	20.0
- Exports	2870	2736	183	191	228	171	2054	1.7
- New Supply	42230	40044	3446	3531	2851	3506	42067	7.5
Groundwood and - Production	5320	5097	453	409	388	431	5174	-2.2
Thermo-Mech. - Imports	183	167	15	25	6	11	128	-13.0
- Exports	24	27	3	0	6	3	38	-9.3
- New Supply	5478	5237	465	434	388	439	5265	-2.4
Semi-Chemical - Production	3924	3699	316	290	264	325	3900	-0.2
- Imports	0	0						
- Exports	0	0	------ Included	with	Groundwood	Pulp ------		
- New Supply	3924	3699	316	290	264	325	3900	-0.2
MARKET WOOD PULP								
Total Market - Production	6210	5688	462	507	378	445	5342	0.9
Wood Pulp - Imports	2924	2443	215	214	224	203	2430	-8.9
- Exports	3352	3078	226	208	279	222	2662	19.1
- New Supply	5782	5032	451	514	322	426	5111	-10.8
Dissolving Pulp - Production	1352	1089	96	98	66	88	1058	-10.5
- Imports	241	194	18	21	14	24	291	-1.8
- Exports	787	675	45	41	70	46	554	-2.3
- New Supply	806	608	69	78	9	66	795	-12.8
Paper Grades - Production	4857	4578	366	409	312	356	4273	3.8
Chemical Pulp - Imports	2634	2202	191	191	204	178	2137	-8.5
- Exports	2555	2404	181	167	209	176	2110	26.5
- New Supply	4936	4377	376	433	308	358	4301	-10.1
Groundwood Pulp - Production	2	1	0	0	0	1	11	0.0
and All Other - Imports	49	46	6	2	5	0	2	-93.6
- Exports	10	0	0	0	0	0	0	0.0
- New Supply	40	47	6	2	5	1	13	-62.6

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

FIBROUS RAW MATERIALS

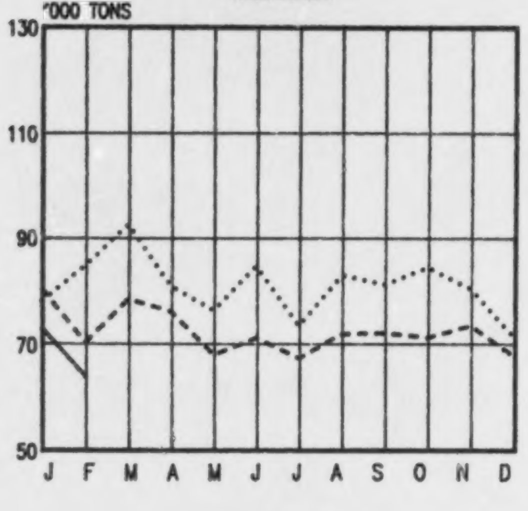
(Thousands of tons)

CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	64697	61998	5365	5222	4549	5401	64808	7.0
Total Wood Pulp	50822	48473	4168	4114	3524	4224	50684	7.0
Waste Paper	13875	13525	1197	1108	1025	1177	14124	7.2
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	188	177	192	195	177	186	186	-2.7
Market Pulp at Pulp Mills	393	437	463	503	437	423	423	0.9
Mkt Pulp at Ppr. & Bd. Mills *	454	492	408	463	492	472	472	-1.7
Waste Paper at Paper &Bd. Mills	1211	1017	857	951	1017	931	931	-17.2
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	33	37	38	42	37	35	35	-2.8

SOURCES: Wood Pulp Data, Pulp & Raw Materials Group, API. Waste Paper Data. Paper Recycling Committee, API
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

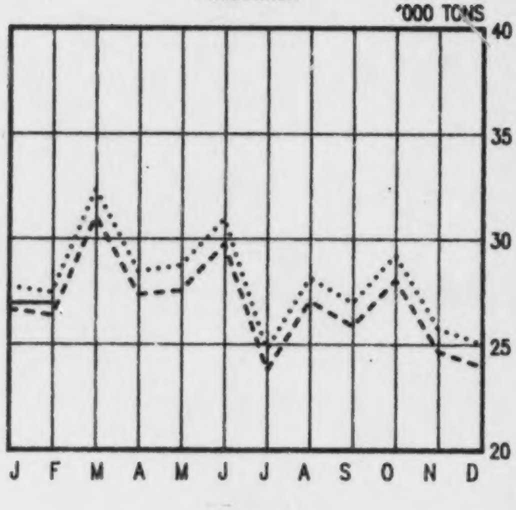
BLEACHED BRISTOLS

PRODUCTION



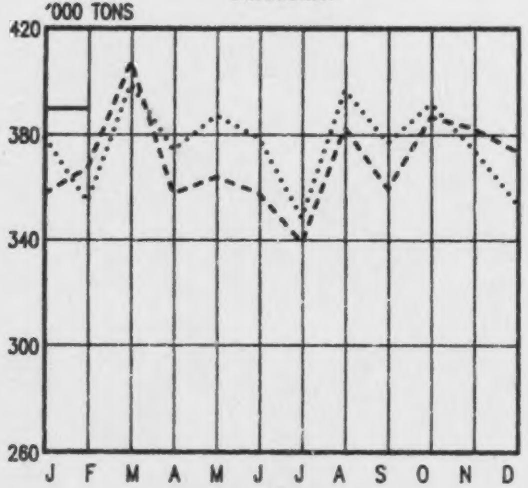
THIN PAPER

PRODUCTION



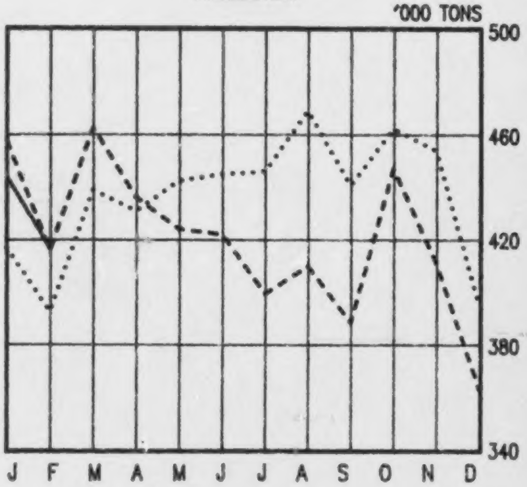
TISSUE PAPER

PRODUCTION



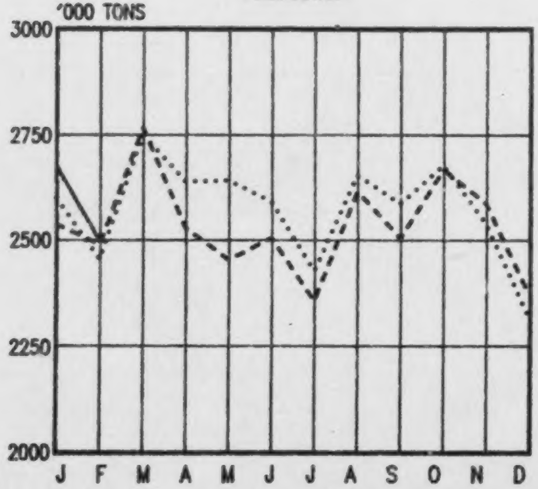
NEWSPRINT

PRODUCTION



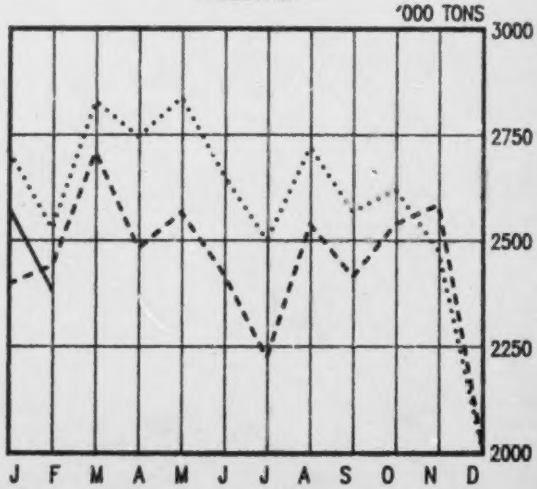
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1981 ⋯⋯ 1982- - - - 1983 ———

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic Foot) Cords)

PULPWOOD		YEAR 81	YEAR 82	OCT. 82	NOV. 82	DEC. 82	JAN. 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
Total U.S.	- Total Receipts	78547	78519	6930	6585	6152	6926	83112	17.3
	- Total Consumpt.	79747	78156	6891	6789	5967	6995	83940	9.4
	- Residues *	30590	31152	2839	2769	2465	2558	30696	17.5
	- Inventories	6045	5426	5329	5253	5426	5613	5613	0.8
So. Atlantic	- Total Receipts	24681	23769	2141	2086	1901	2084	25008	17.9
	- Total Consumpt	24815	23842	2142	2100	1779	2136	25632	6.0
	- Residues *	8770	8273	766	740	687	652	7824	8.1
	- Inventories	1051	1165	1013	1084	1165	1155	1155	42.8
Northeast	- Total Receipts	7803	7283	626	568	560	646	7752	1.3
	- Total Consumpt	7712	7221	633	599	515	653	7836	5.0
	- Residues *	1362	1452	135	137	129	92	1104	-7.1
	- Inventories	635	652	600	582	652	693	693	7.4
South Central	- Total Receipts	27744	26510	2339	2166	2087	2355	28260	21.2
	- Total Consumpt	27687	27153	2254	2275	2055	2347	28164	10.6
	- Residues *	8923	8616	788	745	705	750	9000	27.8
	- Inventories	1825	1346	1424	1326	1346	1469	1469	-10.4
North Central	- Total Receipts	5650	5601	481	445	537	634	7608	30.5
	- Total Consumpt	5708	5706	474	487	476	544	6528	21.7
	- Residues *	1439	1517	138	144	178	152	1824	55.1
	- Inventories	1106	925	839	842	925	1001	1001	-11.7
West	- Total Receipts	13669	15356	1343	1320	1067	1207	14484	12.6
	- Total Consumpt	13825	15234	1388	1328	1142	1315	15780	10.6
	- Residues *	10096	11294	1012	1003	766	912	10944	16.6
	- Inventories	1428	1338	1453	1419	1338	1295	1295	-3.6

* - Consumption of Residues in Cord Equivalents.   SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 82 Tons	YEAR 82 $000	DEC. 82 Tons	DEC. 82 $000	JAN. 83 Tons	JAN. 83 $000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	87043	4711	6242	268	6236	258	74832	-31.6
Pulpwood Chips	1683605	51612	117687	2660	131532	3362	1578384	-7.8
Wood Pulp, Total	3364194	1388688	228059	84311	286943	105788	3443316	14.6
Waste Fibrous Materials, Total	129749	23299	9977	1835	10298	2018	123578	51.9
Paper, Board & Products, Total	7706363	3270906	587310	242398	639984	255928	7679809	-1.5
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	7663915	3199903	584012	237270	636893	250797	7642715	-1.5
Paper Paperboard & Products	7325528	3191277	569691	238374	613275	249818	7359299	-4.0
Paper & Paperboard, Only	7283080	3120274	566393	233247	610184	244686	7322204	-4.0
Paper, Total	7169660	3092157	556173	230891	601409	242593	7217593	-4.5
Newsprint	6484605	2730256	497723	200918	540413	210976	6484956	-7.0
Printing, Writing & Rel. Pap.	612750	310162	53446	26373	55597	27939	667163	25.6
Pack. & Ind. Conv. Paper	64727	44734	4325	2925	5093	3266	61116	23.5
Special Industrial Paper	1899	3123	210	350	146	251	1751	70.2
Tissue Paper	5680	3882	469	324	251	162	3007	-17.6
Paperboard, Total	113420	28117	10219	2356	8684	2093	104212	56.3
Convtd Paper&Paperbd Products	42448	71003	3299	5128	3091	5131	37094	-11.6
Wet Machine Board	1302	737	185	99	210	121	2521	147.8
Construction Paper & Board	379533	78892	17434	3925	26499	5990	317989	146.5

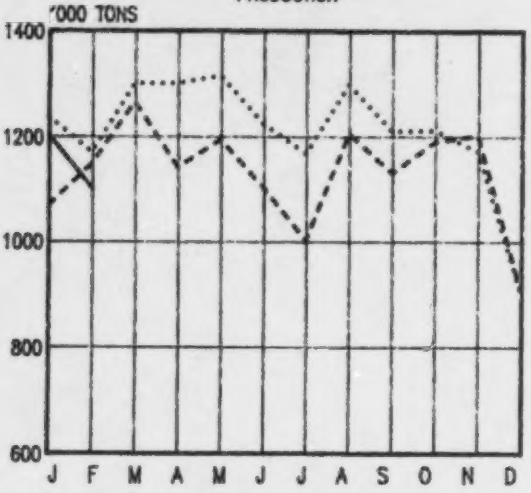
EXPORTS TO CANADA

	YEAR 82 Tons	YEAR 82 $000	DEC. 82 Tons	DEC. 82 $000	JAN. 83 Tons	JAN. 83 $000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	107700	7263	4180	322	5210	279	62520	-18.2
Pulpwood Chips	27650	1500	2635	117	1778	68	21336	100.0
Wood Pulp, Total	116067	54691	9323	4055	9956	4065	119472	-0.0
Cotton Pulp & Other Pulp	6790	4151	1118	537	726	488	8712	16.0
Waste Paper	271395	32555	23843	2708	24307	2866	291684	82.4
Paper, Board & Products, Total	583178	443599	52192	35696	55722	40766	668666	37.7
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	383543	274676	34640	21744	37293	25669	447515	25.7
Paper, Paperboard & Products	561326	434851	51051	35217	53816	39986	645793	38.7
Paper & Paperboard, Only	361690	265927	33498	21266	35387	24889	424642	26.4
Paper, Total	188645	185382	15789	14365	17693	16823	212315	12.6
Newsprint	3037	2671	273	253	459	388	5503	113.5
Printing, Writing & Rel. Pap.	113247	95530	10187	7974	11219	8784	134632	31.9
Pack. & Ind. Conv. Paper	20289	13615	1538	1092	1737	1178	20843	101.7
Special Industrial Paper	48129	70505	3615	4938	3872	6086	46458	-34.7
Tissue	3864	3062	177	110	407	387	4879	95.1
Paperboard, Total	173045	80545	17710	6900	17694	8066	212327	44.0
Convtd Paper&Paperbd Products	189636	168924	17552	13952	18429	15097	221152	70.5
Wet Machine Board	4365	2537	283	148	373	218	4475	32.4
Construction Pap & Bd. E	17488	6212	858	330	1533	562	16398	11.6

SOURCE: Bureau of Census, Department of Commerce.   E - Estimate of tonnage based on square foot data

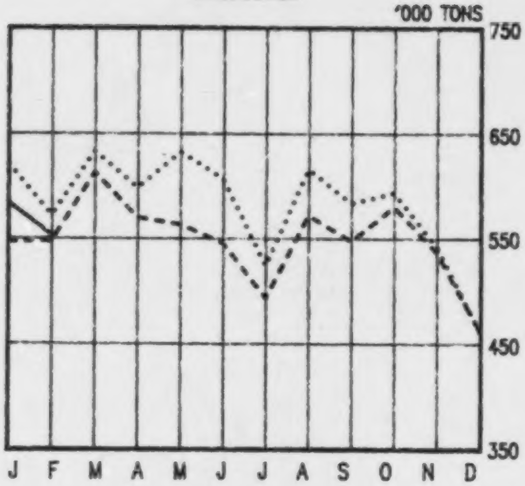
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



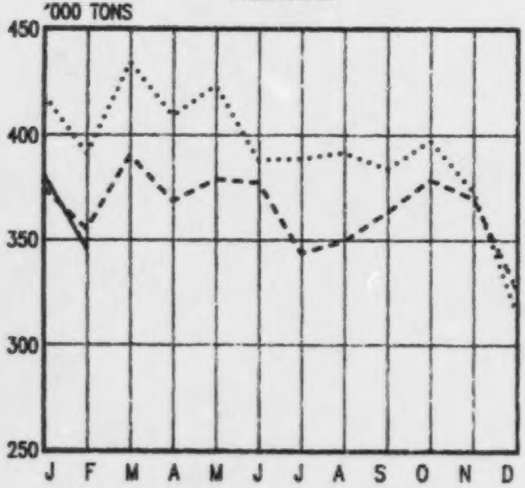
RECYCLED PAPERBOARD

PRODUCTION



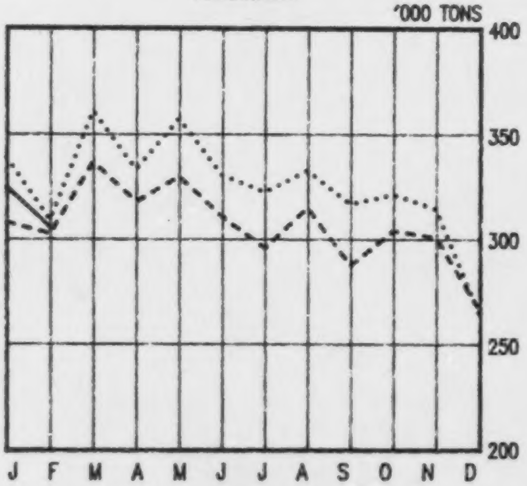
SEMICHEMICAL PAPERBOARD

PRODUCTION



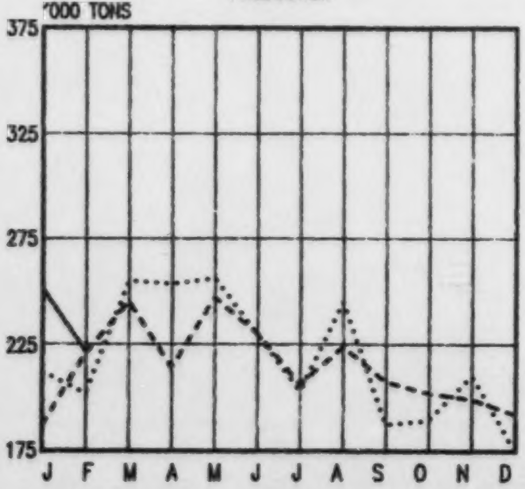
SOLID BLEACHED PAPERBOARD

PRODUCTION



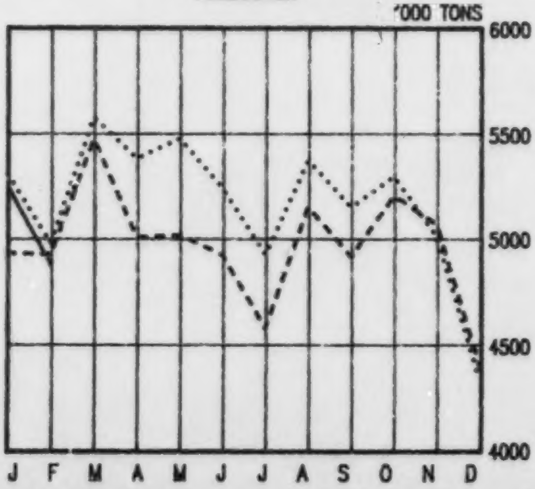
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1981 ······· 1982 - - - - - 1983 ———

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 82 Tons	82 $000	DEC. 82 Tons	82 $000	JAN. 83 Tons	83 $000	(1) Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (cords)	87034	4711	6242	268	6236	258	74832	-31.6
Pulpwood Chips	1687226	51776	117700	2663	131532	3362	1578384	-7.8
Total All Imports	11822837	5207263	880031	370363	1004737	413404	12056840	5.6
Wood Pulp, Total	3655966	1493241	264408	96229	309298	112574	3711576	14.4
Waste Paper	74332	9450	5244	606	4564	458	54768	-19.0
Other Fibrous Materials	70088	24212	5677	2150	6535	2252	78416	108.5
Paper, Board & Products, Total	8022452	3680361	604702	271378	684340	298120	8212080	1.8
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	7915863	3342891	596329	244907	675216	271132	8102586	1.6
Paper, Pbd & Prds ex Cnst&WMB	7601094	3592161	584105	266742	655021	291300	7860254	-0.6
Paper & Paperboard, Only	7494506	3254691	575732	240270	645897	264312	7750760	-0.8
Paper, Total	7379698	3224993	565448	237817	636843	261900	7642116	-1.3
Newsprint	6530676	2748652	498381	201156	544537	212327	6534444	-6.9
Printing & Writing	764185	408621	60987	31854	84537	43831	1014438	52.1
Uncoated Groundwood	514882	248196	41602	19524	52725	24786	632694	48.5
Uncoated Book	142626	80105	11100	6132	18077	9425	216922	71.2
Coated Print.& Impres. Pap	69010	46763	5028	3452	10482	6603	125779	63.2
Bristols	391	416	41	28	25	41	314	627.8
Writing and Similar Paper	25983	19295	2215	1612	2353	1927	28238	41.9
Thin (except Cigarette)	11293	13846	1000	1107	874	1048	10490	-38.3
Total Pkg & Other Paper	78009	62478	5599	4463	7487	5547	89846	56.2
Unbleached Kraft Paper	23078	10749	1721	699	3143	1367	37710	7.1
Other Pkg. & Indust. Paper	54931	51729	3878	3763	4345	4181	52136	133.9
Tissue	6828	5241	481	344	282	194	3388	-43.4
Paperboard, Total	114808	29698	10284	2453	9054	2412	108644	59.7
Test or Containerboard	35983	8459	3890	937	2001	492	24006	120.6
Semi-Chemical Corrugating	47295	9679	4300	829	3781	705	45373	45.1
Other Paperboard	31531	11560	2094	688	3272	1215	39265	51.9
Convtd Paper&Paperbd Products	106589	337470	8373	26472	9125	26988	109494	20.8
Paper Products, Total	92057	306524	7132	23743	7195	21996	86336	5.5
Paperboard Products, Total	14531	30946	1242	2729	1930	4993	23158	162.3
Wet machine Board	1842	1239	217	138	224	147	2682	82.9
Construction Paper & Board	419515	86961	20380	4499	29095	6673	349144	112.8
Notes								
Other: No Weight Avail. ($000)		135275		9892		10717	128599	-3.0
Total Imports Incl. Other($000)		5341893		380255		424121	5089452	-4.4

EXPORTS

							(1)	
Pulpwood, Roundwood (cords)	111692	7475	4375	330	5210	279	62520	-18.2
Pulpwood Chips	2860133	231140	212911	16362	159649	12025	1915788	-46.9
Total All Exports	9872298	4312528	798786	332526	795149	314341	9541789	12.9
Wood Pulp, Total	3394240	1414434	285161	108843	233796	91065	2805552	5.7
Cotton Pulp and Other Pulp	104560	72326	8487	6161	9202	5879	110424	12.3
Waste and Old Paper	2127050	238833	160954	17314	203055	21883	2436660	22.1
Paper, Board & Products, Total	4246449	2586836	344184	200208	349096	185515	4189153	13.1
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	3870915	1752166	295564	130436	301545	134421	3818536	14.0
Paper, Pbd & Prod ex Cnst&WMB	4187029	2556461	338431	197157	344723	193317	4136681	13.4
Paper & Paperboard, Only	3611496	1721792	289811	127385	297172	132223	3566064	14.4
Paper, Total	840772	677706	54887	43182	61814	49243	741764	-18.0
Newsprint	307655	142964	20261	9035	21968	10199	263610	-24.8
Printing & Writing	246584	238135	17056	15811	17382	17309	208583	-9.8
Uncoated Groundwood	55913	46430	2966	2535	2861	2824	35528	-45.1
Clay Coated Paper	81368	65485	6535	4773	6793	5058	81517	48.7
Uncoated Free Sheet	70587	75451	4337	5009	6030	6434	72358	10.3
Other Printing & Writing	38716	49769	3218	3495	1598	2892	19180	-58.4
Total Pkg. & Other Paper	263228	270192	16218	16839	21319	20194	255824	-13.0
Unbleached Kraft	89063	38003	6869	2489	10752	3660	129022	123.8
Other Pkg. & Indust. Paper	174165	232190	9349	14350	10567	16533	126803	-46.4
Tissue	23306	25415	1352	1497	1146	1541	13747	-52.7
Paperboard, Total	2770723	1044086	234924	84203	235358	82980	2824300	27.6
Solid Wood Pulp	2621486	973072	224172	79424	226599	78094	2719184	30.2
Total Linerboard	1886187	542302	152837	39706	166017	41088	1992208	38.5
Bleached Kraft Linerboard	67595	26625	9418	4018	4632	2005	55578	3.4
Unbleached Kraft Linerbd	1818593	515676	143419	35689	161386	39084	1936630	40.9
Other Unbleached Kraft	139215	60780	13066	5497	12254	5300	147050	5.7
Other Bleached Kraft	534663	351875	51780	32704	45419	30945	545028	15.4
Semi-Chemical Corrugating	61420	18116	6489	1516	2909	760	34908	-26.6
Recycled Paperboard	149238	71014	10752	4780	8759	4886	105106	-16.2
Convtd Paper&Paperbd Products	575534	834669	48621	69772	47551	61094	570617	7.7
Paper Products, Total	315736	581158	23636	47789	26547	42251	318559	8.1
Paperboard Products, Total	259798	243512	24984	21983	21005	18843	252058	7.1
Wet Machine Board	11088	5838	812	422	835	299	10015	10.6
Construction Paper & Board E	48332	24437	4942	2629	3538	1899	42457	-11.6
Notes								
Other: No Weight Avail. ($000)		8889		516		496	5950	-43.4
Total Exports Incl. Other($000)		4317661		333042		314837	3778044	-4.3

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.
(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES
1967 = 100

	81	82	NOV.	DEC.	JAN.	FEB.	Annual Rate Y-T-D 1982	% Change From Same Period Last Year
Pulp, Paper and Products except Building Grades	270.8	273.3	269.9	269.1	269.1	269.0	269.1	-2.7
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	272.4	275.9	272.5	271.7	271.7	271.6	271.7	-2.8
Total Wood Pulp	397.1	379.4	349.4	349.3	350.5	349.5	350.0	-14.7
Total Paper	279.8	286.5	281.7	280.0	279.8	279.1	279.5	-3.5
Total Paper, exc. Newsprint	271.1	278.3	276.1	274.5	274.1	279.1	276.6	-1.8
Newsprint	307.5	316.2	303.7	300.7	300.7	299.1	299.9	-5.5
Total Paperboard	258.1	254.9	247.6	244.5	243.6	244.0	243.8	-6.4
Total Paper and Paperboard #	273.1	276.7	271.0	268.9	268.4	268.1	268.3	-4.3
Converted Products	258.8	264.4	265.0	264.9	265.0	265.1	265.1	0.3
Waste Paper	175.7	121.1	116.0	116.0	116.0	116.0	116.0	-12.1
All Commodities	293.4	299.3	300.4	300.6	300.0	301.2	300.6	0.7
Industrial Commodities	304.1	312.3	315.1	315.0	314.0	314.4	314.2	0.8

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Continued from Page 2

While the production of boxboard for domestic use in the first two month's of 1983 just about matched its year-ago level, the annual rate was above the 1982 average. Production of bleached paperboard showed a 3.2% gain, supported in part by a 17% increase in production for exports. The January-February export rate was 590,000 tons per year, which compares very favorably with the 557,000 tons exported in the record-year 1981.

Production of recycled paperboard was also fairly strong, with the total for the first two months of 1983 4% ahead of its year-ago level. The resurgent building industry, which utilizes recycled paperboard in the production of gypsum wallboard facings, offered some support to this product.

Raw Materials

Production of wood pulp also got off to a good start in 1983. Data for January show the monthly total some 4.5% ahead of the January 1982 total. However, dissolving pulp production continued the decline evident during the past two years, with the January production total some 10% below that of January 1982. Production of chemical paper grade wood pulp showed a 6.3% gain.

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Production of chemical paper grade market pulp was also strong in January, with the total some 3.8% ahead of its year-ago level and exports sharply higher than last year. However, the January export total compares to a relatively low January 1982 total; the annual rate for January 1983 was below the average rates for 1981 and 1982 as a whole.

The energy and raw materials division of API reports that the industry continues to increase its efficiency in the use of fuels. For 1982 as a whole, the average consumption of purchased energy and fossil fuels per ton of pulp and paper output was 27.5% below the comparable 1972 level and 3.5% below the 1981 level. When effects of changes in capacity utilization, environmental energy use and fuel mix are taken into account, the reduction in use of fossil fuel and purchased energy per ton of output since 1972 amounted to 35.5%. Comparisons of fourth quarter 1982 adjusted consumption data with the earlier data show a 38.1% decrease from the fourth quarter of 1972 and a 7.4% decrease from the fourth quarter of 1981.

Imports/Exports

The Department of Commerce reported imports of paper and products in January 1983 at an annual rate of $5.1 billion, 4.4% below the comparable 1982 level. On a tonnage basis, imports rose, with wood pulp, at 3.7 million tons per year, up 14.4% and paper, paperboard and products, plus the construction and wet machine board grades, up 1.8%. Newsprint imports, however declined by 6.9%.

The value of exports were also down, with the January rate of $3.8 billion per year 4.3% below that of January 1982. On a tonnage basis, exports of paper and paperboard, including the construction grades and products, showed a 13% gain.

Capital Appropriations

The Conference Board reported that the seasonally adjusted rate of capital appropriations by those paper and allied products companies included in the thousand largest companies in the U.S. rose 28% in the fourth quarter of 1982 from the average level of the preceding two quarters. The fourth quarter rate, however, was down sharply from the highs of the fourth quarter of 1981 and the first quarter of 1982.

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The actual capital appropriations total in 1982 was $4.0 billion, 20% below the $5.0 billion appropriated in 1981, but above the levels reached in 1979 and 1980. Appropriations in the first quarter of 1982 accounted for 61% of the $4.0 billion appropriated for the full year; the annual rate of appropriations for the last three quarters of the year averaged only $2.2 billion per year.

By way of contrast, capital expenditures by these companies was in a steady upward trend during 1982; the 1982 total, plus a sizeable volume of cancellations in the fourth quarter of the year, was slightly less than the total appropriated. The divergence in the appropriations and expenditure trends brought the backlog of unspent appropriations to a $6.8 billion peak at the end of the first quarter of 1983, followed by a decline in the backlog to $5.2 billion at the end of the year.

In theory, a decline in appropriations should be followed within 6-9 months by decline in capital expenditures. However, in the case of a single industry, such as the paper and allied products industry, the backlog of unspent appropriations tends to distort this time relationship, as evident by the pattern shown by these data in 1982.

It is possible that the relatively large backlog evident at the end of 1982 can sustain expenditures near current levels for a good part of 1983, if cash flow permits. The Department of Commerce recently reported that capital expenditures by all companies in the paper and allied products industry in 1983 would total $6.09 billion, 2% above the $5.97 billion spent in 1982. The Department of Commerce figures showed that the rate of these expenditures will decline in the first quarter of 1983 from the fourth quarter 1982 level, but will then rise at a relatively strong rate during the last three quarters of the year.

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

MARCH 31, 1983

	PRODUCTION (000 TONS)					
	Feb. 83	Jan. 83	Feb. 82	Jan - Feb. 83	Jan - Feb. 82	% Change 83/82
PAPER GRADES	P	R				
Newsprint	417	444	416	861	874	-1.5
Printing & Writing	1251	1377	1238	2628	2521	4.2
Uncoated Groundwood (s)	109	116	109	225	221	1.9
Coated Paper (s)	413	442	389	855	793	7.8
Uncoated Free Sheet Paper (s)	628	709	633	1337	1283	4.2
Thin Paper (s)	27	27	26	54	53	1.1
Cotton Fiber Paper (s)	10	10	10	20	20	-0.5
Bleached Bristols (s)	64	73	70	137	151	-9.5
Tissue Paper	390	390	368	780	725	7.5
Total Pkg & Other Paper	441	463	469	904	908	-0.4
Unbleached Kraft Packaging & Indl. Converting (s)	307	330	326	637	639	-0.3
Other Paper *	134	133	143	267	268	-0.6
TOTAL PAPER	2499	2674	2491	5173	5028	2.9
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1179	1284	1235	2463	2404	2.4
Unbleached Kraft Linerboard	1104	1203	1150	2308	2222	3.9
Other Unbl. Kraft Paperboard	74	81	85	155	183	-15.0
Semichemical Paperboard	346	381	355	728	730	-0.3
Bleached Paperboard	306	325	303	631	611	3.2
Recycled Paperboard	554	585	549	1139	1097	3.8
TOTAL PAPERBOARD	2384	2577	2443	4961	4843	2.4
TOTAL PAPER AND PAPERBOARD	4883	5250	4933	10134	9871	2.7

WOOD PULP (ALL GRADES)	Jan. 83	Dec. 82	Jan. 82	Jan - Jan. 83	Jan - Jan. 82	% Change 83/82
Dissolving & Special Alpha	88	66	99	88	99	-10.5
Bleached Sulphite	108	85	105	108	105	3.3
Unbleached Sulphite	31	27	28	31	28	7.4
Bleached & Semi-Bl. Sulph.	1708	1450	1630	1708	1630	4.8
Unbleached Sulphate	1556	1267	1438	1556	1438	8.2
Semichemical	325	264	326	325	326	-0.2
Groundwood and Thermo-Mechanical	431	388	441	431	441	-2.2
TOTAL PULP DIVISION DATA	4247	3548	4066	4247	4066	4.5

(s) - Shipments   R - Revised   E - Estimate
P - Preliminary   * - Revised series based on A.P.I. data.

March 31, 1983

	Full Year		INDUSTRY DATA			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1981	1982	December	January	February		
Total Production (API).......| excluding |...	62274	58671	4408	5250	4883	60801	2.7
Total Seasonally Adjusted....|construction|...			4802	5311	5128	62624	2.8
Imports (including Products).| and wet |..E	7941	7601	584	655	N.A.	N.A.	N.A.
Exports (including Products).| machine |..E	4561	4187	338	345	N.A.	N.A.	N.A.
Apparent Consumption.........| grades |...	65654a	63085 b	5148	5621	5416	66224c	+2.1
Paper Production % Tonnage Capacity...........	92.1s	87.6Rs	77.8	87.5	90.0	90.0sh	-
Paperboard Production % Tonnage Capacity......	90.6s	82.5Rs	66.1	84.0	85.4	86.4s	-
			November	December	January		
IMPORTS.....|Including Construction and |.....	8339	8022	722	684	N.A.	N.A.	N.A.
EXPORTS.....| WMB Grades (excl. HPB) |.....	4841	4246	308	349	N.A.	N.A.	N.A.
MARKET WOOD PULP PRODUCTION - Tons (000)........	6210	5868	507	378	445	5342	0.9
TOTAL WOOD PULP PRODUCTION - Tons (000)..(F)....	52041	49367	4189	3548	4247	50865	4.5
WOOD PULP IMPORTS - TONS (000).................	4087	3656	375	264	309	3712	14.4
WOOD PULP EXPORTS - TONS (000).................	3678	3394	247	285	234	2806	5.7
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS | excluding |			November	December	January		
Wood Pulp.............|consumption for|.....	50822	48473	4114	3524	4224	50884	7.0
Waste Paper...........|construction & |.....	13875	13525	1108	1025	1177	14124	7.2
TOTAL..........| WMB grades |.....	64697	61998	5222	4549	5401	64808	7.0
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	79747	79156	6789	5967	6985	83940	8.4
EMPLOYMENT (000)			December	January	February		
Paper and Allied Products..........Total......	687.6	659.5	648.3	645.7	642.6	644.2	-3.5
Pulp, Paper and Board Mills........Total.....E	266.6	255.7	251.3	250.6	249.2	248.9	-3.4
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products......................	8.60	9.33	9.66	9.66	9.70	9.68	7.1
Pulp, Paper Mills............................E	10.06	10.91	11.28	11.29	11.32	11.31	7.7
Paperboard Mills.............................E	10.23	11.13	11.72	11.68	11.70	11.69	9.3
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1982 Q3	1982 Q4	1983 Q1		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	6.72	5.97	6.16	5.71	5.47	6.09y	2.0
INDEX OF OUTPUT PER MAN-HOUR (1977=100)......			December	January	February		
|IN PULP, PAPER |...Production Workers..........	108.2	110.7	108.1	118.3	117.5	117.9	7.6
|AND BOARD MILLS|...All Employees..............	107.5	109.1	108.2	115.8	115.0	115.4	6.6
PAPER AND ALLIED PRODUCTS (Million $)			November	December	January		
Industry Shipments (Dept. of Commerce)*.......	79505	78174	6486	6502	6946	83376	3.5
Pulp, Paper and Paperboard*..................	34260	32501	2698	2603	2758	33096	-2.6
Inventories (End of Period) - Total Industry*.	8825	8808	8880	8808	8665	8665	-0.1
Pulp, Paper and Paperboard*..................	3461	3613	3643	3613	3632	3632	4.1
			1982 Q3	1982 Q4	1983 Q1		
Sales (Corporations Only, FTC)................	62689	60472K	14913	15118	N.A.	N.A.	N.A.
Earnings (Corporations Only, FTC).............	3110	1682K	408	420	N.A.	N.A.	N.A.
Depreciation (Corporations Only, FTC).........	2267	2379K	602	585	N.A.	N.A.	N.A.
Net Worth (Corporations Only, FTC)............	26550	26795K	26795	26795	N.A.	N.A.	N.A.
PRICE INDEXES (Bureau of Labor Stats)1967=100			December	January	February		
Pulp, Paper & Products, ex. Building Grades...	270.8	273.3	269.1	269.1	269.0	269.1	-2.7
Wood Pulp.....................................	397.1	379.4	349.3	350.5	349.5	350.0	-14.7
Waste Paper...................................	175.7	121.1	116.0	116.0	116.0	116.0	-12.1
Paper...	279.8	286.5	280.0	279.8	279.1	279.5	-3.5
Paperboard....................................	259.1	254.9	244.5	243.6	244.0	243.8	-6.4
PAPER DEMAND (INDEXED: 1967=100)			December	January	February		
Total Paper Production *.......................	148.4	145.3	145.0	154.4	149.4	151.9	2.8
Paper New Supply *............................	137.3	134.8	133.2	142.4	137.9	140.2	2.7
Total End - Use Index *......................	150.3	148.5	148.7	151.0	150.9	150.9	0.4
Production of Nondurable Goods *...(19%)..	164.7	156.1	155.8	156.9	156.8	156.9	0.3
Disposable Income (Constant $) *...(23%)..	154.3	157.5	158.6	158.8	158.7	158.7	1.7
Total Printing and Publishing *...(58%)..	144.0	144.2	144.2	146.0	145.8	145.9	-0.1
Trend Factor	----------	----------	----------	-Not	Available-	----------	----------
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *................	137.1	128.5	124.7	137.6	132.4	135.0	2.3
Production for Domestic Use	132.8	124.0	121.5	131.6	128.0	129.9	1.2
Total End - Use Index *.....................	149.3	139.5	137.0	138.9	139.5	139.2	-0.9
Production of Consumer Goods *...(60.49%)	147.8	142.7	142.1	143.7	144.4	144.1	2.4
Production of Equipment *...(6.62%)	151.6	139.6	135.9	135.2	134.3	134.8	-8.5
Production of Materials *...(32.88%)	151.5	133.7	127.8	130.8	131.5	131.2	-5.5
Trend Factor	----------	----------	----------	-Not	Available-	----------	----------
NEWSPRINT MARKETS			November	December	January		
Consumption by Publishers - Tons (000)........	11205	11150	984	1001	882	10702	2.4
Newspaper Pub. and Printing Empl. Total(000)..	421.9	424.6	425.9	427.5	423.6	423.6	-0.1
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	123182	120724	13403	8686	8644	103727	5.0
WHOLESALERS SALES AND INVENTORIES (Million $)(J)							
Total Paper & Pap. Prdcts..ex Wallpaper..Sales	23513	22776	1605	1830	1854	23448	7.6
Inventories (End of Period)	1971	1885	1988	1885	1906	1906	-2.5
FIBRE BOX DATA (Fibre Box Association)			December	January	February		
Fibre Box Shipments (Million square feet)......	246152	234845	17540	20089	18715	232824	3.2
Container'bd Inventory at Mill & Plant(000Tons)	2729	2580	2590	2486	2469	2469	0.1
RETAIL TRADE (Million $)							
Total Retail Sales *..........................	1044587	1066054	91517	91033	90663	1090176	5.0
Nondurable Goods Stores Sales *..............	716282	736410	62125	62091	61972	744378	2.7
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	150.9	138.6	135.2	136.9	137.3	137.1	-3.3
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	293.4	299.3	300.6	300.0	301.2	300.6	0.7
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	272.4	289.1	292.4	293.1	293.2	293.2	3.6
			November	December	January		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	333.4	344.8	338.4	344.8	343.4	343.4	4.0
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billions$).			1982 Q3	1982 Q4	1983 Q1		
G.N.P. or Expenditure - Current $............E	2937.7	3058.3	3088.2	3108.2	3162.6	3162.6	5.6
G.N.P. or Expenditure - 1972 $...............E	1502.6	1476.9	1481.1	1477.2	1491.8	1491.8	1.4

lb/capita

Par&Parbd		Othr		Totl	Popul(mil)
.a - 572	+	21	=	593	229.8
.b - 544	+	15	=	559	232.0
.c - 568	+	18	=	586	233.0

.E - Last Period estimated by API
.e - estimated by API

s - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
J - Census unpubl ished data; standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter

R - Revised
RS - Revised Series
y - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted

A2500-2
5/10/83

Paper
Paperboard
& Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 61 - No. 4 April, 1983

Paper and Paperboard Production Steady

Production of paper and paperboard has been fluctuating about a flat trend in recent months, at a level about 4% above the average 1982 level and roughly in line with the 1981 record-high. Last year, the production of paper and paperboard was fairly strong in the first quarter, followed by a declining trend through mid-summer and a modest recovery during the remainder of the year. First quarter 1983 production was 2.1% ahead of the comparable year-ago level. Preliminary data based upon production in the first three weeks of April suggest that the production rate in April will probably be close to its first quarter rate.

Paper production in the first three months of 1983 was 2.2% above its year-ago total. The seasonally adjusted annual rate was 31.7 million tons, compared to 30.4 million tons produced in 1982 and 31.0 million tons in 1981. Preliminary data for April suggest that paper production is holding near the first quarter level. The production of uncoated free sheet paper during the first quarter of 1983 was 6.6% ahead of its year-ago level and coated papers 7.4%. Uncoated free sheet new orders in the first quarter were 11% over their year-ago levels and coated paper new orders 9% ahead. The strong order patterns resulted in a significant increase in the order backlog during the first quarter.

Within the uncoated free sheet sector, the greatest strength was evident in the office copy grades, with form bond (largely computer print-out paper) showing significant gains. In the groundwood paper grades, publication and similar grades, used mainly for magazines and similar periodicals also showed good increases over year-ago levels. In addition, the production of bleached bristols advanced in March, bringing the first quarter 1983 total slightly above its year-ago level.

Tissue paper production during the first quarter was at 2.1% ahead of the first quarter 1982 output, a rate of production above both the 1981 and 1982 annual averages.

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Continued from Page 1

The packaging grades of paper were relatively weak. Kraft paper production in the first quarter of 1983 was 4.3% below its year-ago level, although its rate was above that of total 1982. The weakness was concentrated largely in the multiwall sack and "other converting" grades; production of total bag and sack papers just about matched year-ago levels.

Production of paperboard in the first quarter of 1983 was 2.0% ahead of last year. Preliminary data for April suggest that the four-month total will show a somewhat stronger gain relative to 1982. The seasonally adjusted production rate in April 1983 is holding much nearer its first quarter level; last year, production was headed down.

The strongest paperboard sector has been containerboard. Production for domestic use showed a 2.3% gain over the first quarter 1982 total, which compares with the 2.9% gain in shipments of corrugated boxes reported by the Fibre Box Association for this same period. Production of kraft linerboard for export was particularly strong, 11.6% ahead of the first quarter 1982 total. Production of solid bleached paperboard for export was also relatively strong, at 560,000 tons per year, it was 4.4% over the year-ago total and just ahead of the record-high rate of 557,000 tons exported in 1981.

Production of boxboard for domestic use just about matched its year-ago total, but the rate of production was well above the average for 1982 as a whole. The strengths within this category have shifted somewhat from the patterns evident earlier in the year. Recycled coated folding boxboard now show greater gains over the year-ago level than the solid bleached grades. Among the other recycled grades, the major strength appears to be in tube can and drum stock and in panel board. Panel board is used largely in automobiles and mobile-type homes. Production of gypsum wallboard facings in the first quarter of the year, however, was only 0.6% above the year-ago level.

Imports/Exports, New Supply

Imports of paper, paperboard and products in the first two months of 1983 were 6.6% below the comparable 1982 total. However, while imports were within 1% of the January 1982 level, imports for February declined from the January level to fall 13% below the February 1982 total.

Newsprint imports, which account for over 80% of total imports of paper, paperboard and products, were down 12% during this period. The decline reflected both the increased availability of domestic newsprint in the U.S. and the continuing effect of reductions in inventories of newsprint by publishers. Inventories of newsprint by publishers at the end of February

Continued on Page 10

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

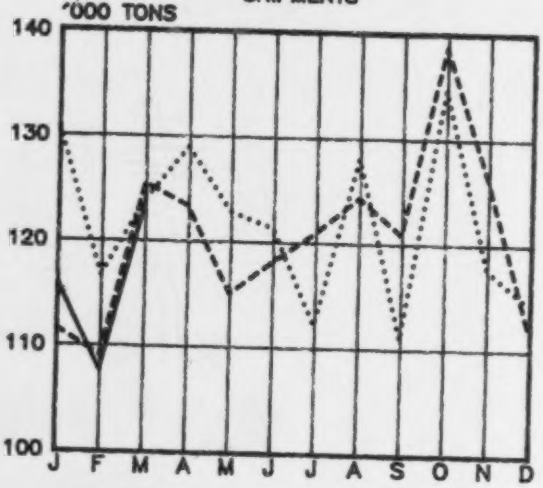
	YEAR		DEC.	JAN.	FEB.	MARCH	Annual Rate Y-T-D	% Change From same Period Last Year
	81	82	82	83	83	83	83	
PAPER					R	P		
Newsprint - Production	5239	5042	364	444	417	448	5235	-2.1
- Shipments	5220	4988	381	408	386	435	4914	-6.8
Printing & Writing	15736	15655	1235	1377	1299	1468	16577	5.7
Groundwood Paper - Shipments	1463	1446	112	116	108	124	1388	0.3
- New Orders	1449	1457	108	123	109	121	1412	-0.0
- Unfilled Orders	100	91	91	96	101	99	99	9.0
Coated Paper - Shipments	4940	5031	398	442	426	453	5283	7.4
- New Orders	4853	4997	412	444	414	493	5406	8.9
- Unfilled Orders	360	325	325	318	307	343	343	-3.9
Unctd Free Sheet - Shipments	7898	7864	625	709	654	766	8519	6.6
- New Orders	7735	7836	642	704	686	827	8869	11.0
- Unfilled Orders	370	322	322	312	344	402	402	12.8
Thin Paper - Shipments	336	323	24	27	27	32	341	1.2
Cotton Fiber Paper - Shipments	125	121	9	10	10	11	126	-4.0
Bleached Bristols - Production	974	870	68	73	74	83	919	0.2
Tissue Paper - Production	4518	4441	372	388	374	395	4626	2.1
Total Packaging & Other Paper *	5550	5291	406	463	442	464	5476	-3.4
Unbl. Kraft Paper - Shipments	3873	3688	280	330	308	313	3804	-4.3
Other Paper - Production *	1678	1604	126	133	134	151	1672	-1.1
TOTAL PAPER-Production-Unadj.	31042	30430	2377	2672	2532	2774	31914	2.2
-Production-S.A.			2534	2694	2643	2571	31631	2.3
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	24231	22682	1571	1991	1828	2128	23791	1.8
Unbl. Kraft Linerboard (1)	14540	13589	915	1203	1107	1306	14465	3.6
Production For Export	1887	1871	136	182	155	195	2123	11.6
Other Unbl. Kraft Paperboard	1062	1030	61	81	75	92	992	-12.6
Semichemical Paperboard	4719	4381	328	381	346	395	4491	0.2
Production For Export	155	179	13	18	17	17	205	25.6
Solid Bleached Paperboard	3910	3682	268	325	301	335	3843	1.3
Production For Export	557	514	41	50	48	42	560	4.4
Recycled Paperboard	7001	6593	464	585	554	617	7023	2.6
Production For Export	24	15	1	3	1	1	19	19.4
TOTAL PAPERBOARD Prod.-Unadj.	31232	29275	2035	2577	2382	2745	30814	2.0
- Containerboard Prod.(Dom. Use)	19040	17675	1214	1545	1430	1652	18509	2.3
- Boxboard Prod.(Dom. Use) (2)	5544	5196	363	458	417	488	5449	-0.1
- All Other P'bd Prod.(D.U.) (2)	4026	3826	265	302	335	350	3949	-2.4
- Total Paperbd Prod. For Export	2622	2578	192	251	221	255	2907	11.1
TOTAL PAPERBOARD PROD. - S.A.			2372	2616	2515	2546	30710	1.9
TOTAL PAPER AND PAPERBOARD								
Production - actual	62274	59705	4412	5249	4914	5519	62728	2.1
Production - S.A.			4906	5310	5158	5118	62341	2.1

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

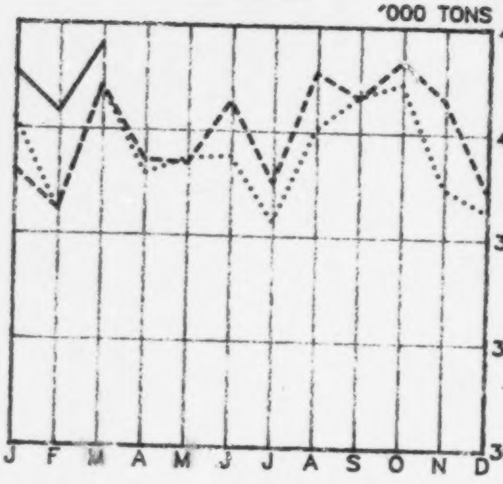
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



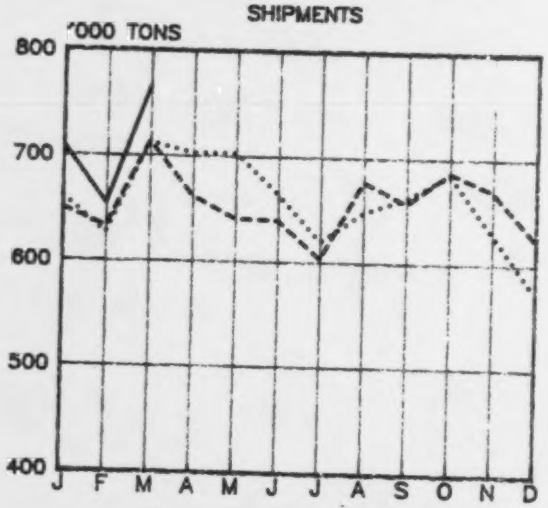
COATED PAPER

SHIPMENTS



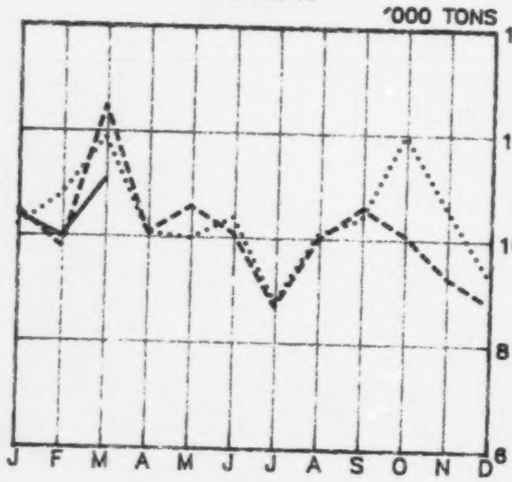
UNCOATED FREE SHEET PAPERS

SHIPMENTS



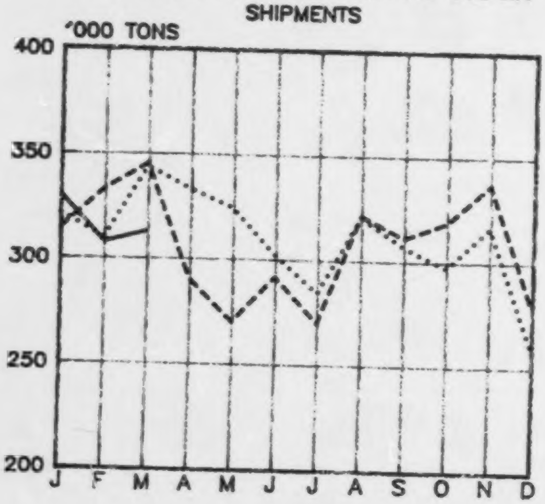
COTTON FIBER PAPER

SHIPMENTS



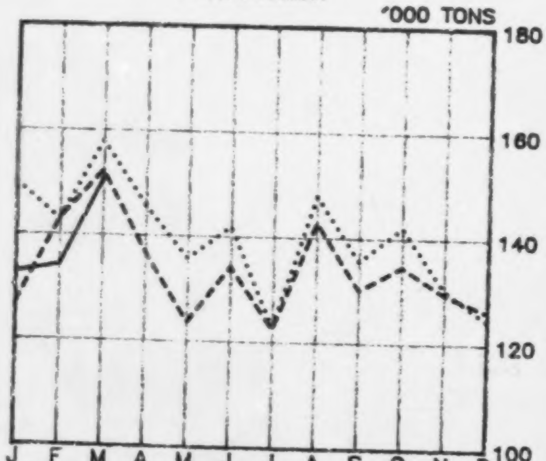
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1981 ········ 1982 ----- 1983 ———

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 81	82	NOV. 82	DEC. 82	JAN. 83	FEB. 83	Annual Rate Y-T-D 83	% Change from same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	52041	49367	4189	3548	4247	4045	49752	0.8
- Imports	4087	3656	375	264	309	266	3449	-0.9
- Exports	3678	3394	247	285	234	263	2983	-5.1
- New Supply	52450	49628	4317	3527	4323	4047	50218	1.1
Dissolving Pulp - Production	1353	1092	99	66	88	112	1204	0.1
- Imports	249	186	19	10	25	10	207	-15.6
- Exports	784	631	55	51	59	30	540	-1.5
- New Supply	818	647	62	24	54	92	871	-3.2
Paper Grades Chemical Pulp - Production	41445	39478	3391	2830	3403	3224	39764	1.2
- Imports	3655	3302	331	249	274	242	3094	0.1
- Exports	2870	2736	191	228	171	229	2399	-6.6
- New Supply	42230	40044	3531	2851	3506	3237	40458	1.6
Groundwood and Thermo-Mech. - Production	5320	5097	409	388	431	417	5089	-0.4
- Imports	183	167	25	6	11	14	148	3.3
- Exports	24	27	0	6	3	4	44	67.6
- New Supply	5478	5237	434	388	439	427	5192	-0.6
Semi-Chemical - Production	3924	3699	290	264	325	291	3696	-1.0
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp ------	
- New Supply	3924	3699	290	264	325	291	3696	-1.0
MARKET WOOD PULP								
Total Market Wood Pulp - Production	6210	5668	507	378	445	488	5597	-2.3
- Imports	2924	2443	214	224	203	202	2427	-10.2
- Exports	3352	3078	208	279	221	257	2870	2.3
- New Supply	5782	5032	514	322	427	433	5155	-8.4
Dissolving Pulp - Production	1352	1089	98	66	88	112	1204	0.1
- Imports	241	194	21	14	24	10	206	-2.5
- Exports	787	675	41	70	46	60	635	7.8
- New Supply	806	608	78	9	66	63	774	-6.1
Paper Grades Chemical Pulp - Production	4857	4578	409	312	356	374	4382	-3.2
- Imports	2634	2202	191	204	178	191	2214	-9.9
- Exports	2555	2404	167	209	175	187	2234	0.8
- New Supply	4936	4377	433	308	359	368	4362	-8.6
Groundwood Pulp and All Other - Production	2	1	0	0	1	1	11	0.0
- Imports	49	46	2	5	0	1	7	-78.2
- Exports	10	0	0	0	0	0	0	0.0
- New Supply	40	47	2	5	1	2	19	-44.2

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

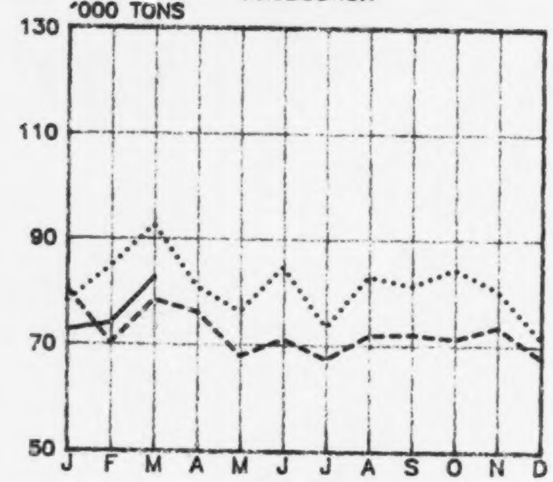
FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	64697	61998	5222	4568	5401	5013	62483	2.1
Total Wood Pulp	50822	48473	4114	3524	4224	3907	48785	1.4
Waste Paper	13875	13525	1108	1044	1177	1106	13698	4.8
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	188	177	195	177	186	192	192	-1.6
Market Pulp at Pulp Mills	393	437	503	437	424	421	421	1.7
Mkt Pulp at Ppr. & Bd. Mills *	454	492	463	492	472	487	487	4.7
Waste Paper at Paper &Bd. Mills	1211	1017	951	1017	931	858	858	-21.5
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	33	37	42	37	35	35	35	6.1

SOURCES: Wood Pulp Data, Pulp & Raw Materials Group, API. Waste Paper Data, Paper Recycling Committee, API
* - Census data prior to 1982; P - Preliminary; R - Revised; (O) - Indicates zero to five-hundred short tons

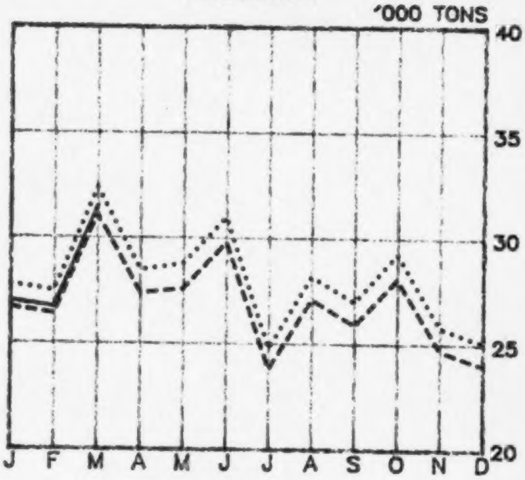
BLEACHED BRISTOLS

PRODUCTION



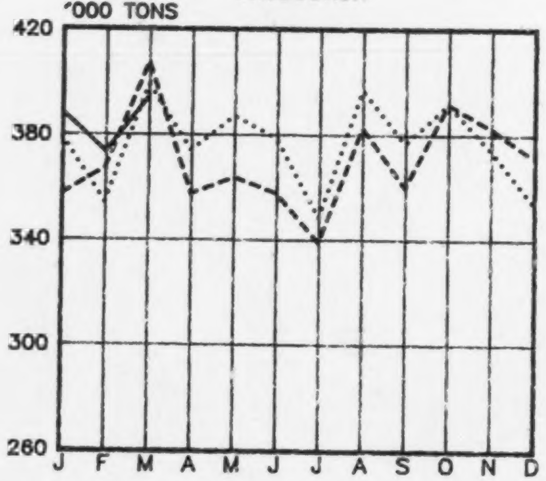
THIN PAPER

PRODUCTION



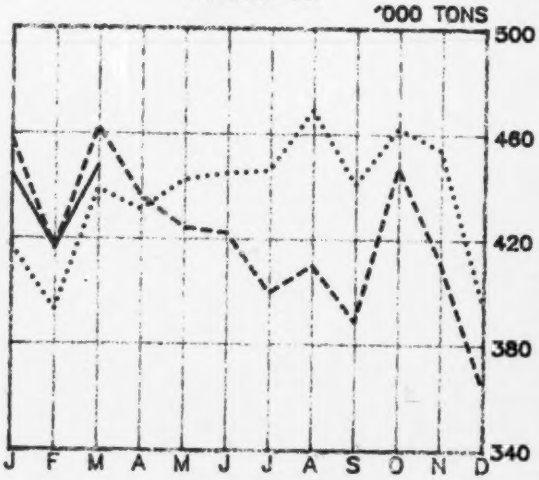
TISSUE PAPER

PRODUCTION



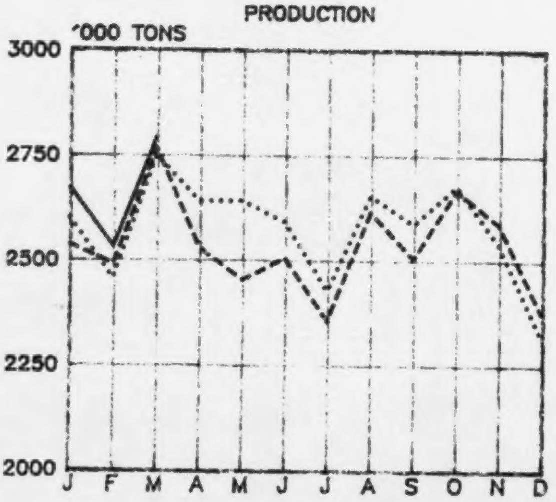
NEWSPRINT

PRODUCTION



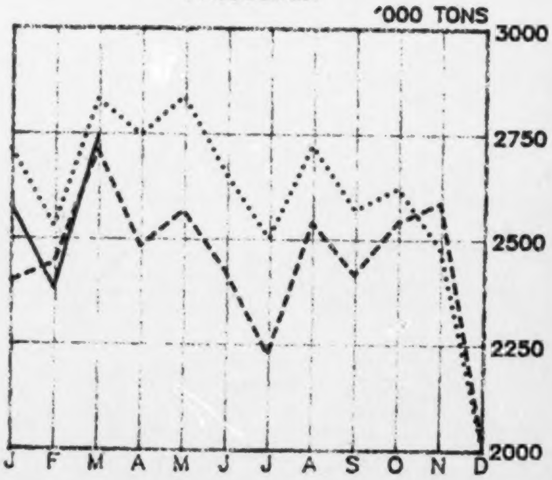
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1981 ······· 1982 - - - - 1983 ——

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic Foot) Cords)

PULPWOOD		YEAR 81	YEAR 82	NOV. 82	DEC. 82	JAN. 83	FEB. 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
Total U.S.	- Total Receipts	79547	78519	6585	6152	6926	6525	80706	10.8
	- Total Consumpt.	79747	79156	6789	5967	6995	6771	82596	6.7
	- Residues *	30590	31152	2769	2465	2558	2524	30492	14.6
	- Inventories	6045	5426	5253	5426	5613	5397	5397	1.0
So. Atlantic	- Total Receipts	24681	23769	2086	1901	2084	1821	24030	7.8
	- Total Consumpt	24815	23842	2100	1779	2136	2072	25248	5.7
	- Residues *	8770	8273	740	687	652	609	7568	0.6
	- Inventories	1051	1165	1084	1165	1155	1012	1012	28.1
Northeast	- Total Receipts	7803	7283	568	560	646	590	7416	-5.2
	- Total Consumpt	7712	7221	598	515	653	602	7530	0.7
	- Residues *	1382	1452	137	129	92	93	1110	-12.7
	- Inventories	635	652	582	652	693	710	710	2.0
South Central	- Total Receipts	27744	26510	2166	2087	2355	2155	27060	11.8
	- Total Consumpt	27687	27153	2275	2055	2347	2244	27546	4.4
	- Residues *	8923	8616	745	705	750	664	8484	13.7
	- Inventories	1825	1346	1326	1348	1469	1360	1360	-7.8
North Central	- Total Receipts	5650	5601	445	537	634	600	7404	23.2
	- Total Consumpt	5708	5706	487	476	544	503	6282	14.9
	- Residues *	1439	1517	144	178	152	172	1944	64.5
	- Inventories	1106	925	842	925	1001	1080	1080	-8.2
West	- Total Receipts	13669	15356	1320	1067	1207	1259	14796	18.4
	- Total Consumpt	13825	15234	1328	1142	1315	1350	15990	12.4
	- Residues *	10098	11284	1003	766	812	986	11388	24.2
	- Inventories	1426	1338	1419	1338	1285	1235	1235	2.4

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 82 Tons	YEAR 82 $000	JAN. 83 Tons	JAN. 83 $000	FEB. 83 Tons	FEB. 83 $000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	87043	4711	6236	258	9285	386	93126	-29.7
Pulpwood Chips	1683605	51612	131532	3362	153778	4114	1711860	2.4
Wood Pulp, Total	3364184	1386688	286943	105788	242972	88099	3179490	0.0
Waste Fibrous Materials, Total	129749	23299	10298	2018	5073	1555	92226	-15.4
Paper, Board & Products, Total	7706363	3270906	639984	255928	517613	208007	6945582	-7.0
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	7663915	3198903	636893	250797	514510	202704	6908414	-7.0
Paper Paperboard & Products	7325528	3191277	613275	249818	488565	202043	6611039	-9.8
Paper & Paperboard, Only	7283080	3120274	610184	244686	485462	196741	6573871	-9.9
Paper, Total	7169660	3092157	601499	242593	474874	194117	6458240	-10.5
Newsprint	6484605	2730256	540413	210976	432428	172974	5837052	-12.0
Printing, Writing & Rel. Pap.	612750	310162	55597	27939	38331	18813	563566	6.5
Pack. & Ind. Conv. Paper	64727	44734	5083	3266	3789	1979	53280	8.9
Special Industrial Paper	1899	3123	146	251	120	211	1597	46.9
Tissue Paper	5680	3882	251	162	205	140	2735	-31.1
Paperboard, Total	113420	28117	8684	2093	10588	2624	115631	49.7
Convtd Paper&Paperbd Products	42448	71003	3091	5131	3103	5302	37168	-5.0
Wet Machine Board	[illegible]	737	210	121	224	139	2603	213.1
Construction Paper & Board	379[illegible]03	78892	26499	5990	28824	5825	331940	148.0

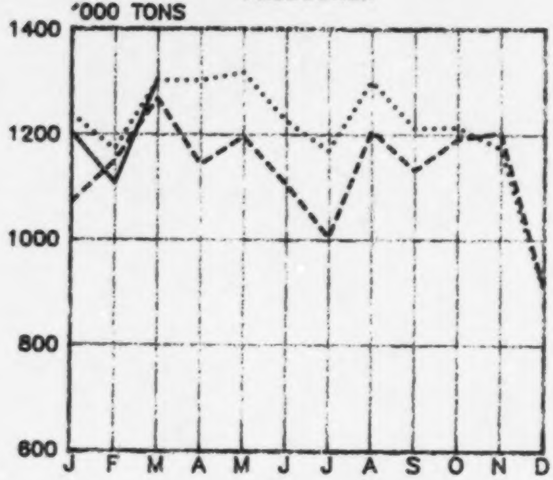
EXPORTS TO CANADA

	YEAR 82 Tons	YEAR 82 $000	JAN. 83 Tons	JAN. 83 $000	FEB. 83 Tons	FEB. 83 $000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic Feet)	107700	7263	5210	279	4358	248	57408	-27.7
Pulpwood Chips	27650	1500	1778	68	783	37	15366	-36.8
Wood Pulp, Total	116067	54691	9956	4065	11319	4540	127650	-3.3
Cotton Pulp & Other Pulp	6790	4151	726	488	476	277	7212	4.9
Waste Paper	271395	32555	24307	2866	21328	2316	273810	43.9
Paper, Board & Products, Total	583178	443599	55722	40766	47222	33201	617663	28.0
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	383543	274676	37293	25669	34350	22032	429859	19.3
Paper, Paperboard & Products	561326	434851	53816	39986	44411	32085	589365	27.3
Paper & Paperboard, Only	361690	265927	35387	24889	31540	20916	401561	17.9
Paper, Total	188645	185382	17693	16823	16956	14457	207892	6.4
Newsprint	3037	2671	459	388	177	172	3816	67.0
Printing, Writing & Rel. Pap.	113247	85530	11219	8784	8917	7413	120815	9.0
Pack. & Ind. Conv. Paper	20289	13615	1737	1179	1789	1185	21215	51.5
Special Industrial Paper	48129	70505	3872	6086	5905	5561	58661	-8.3
Tissue	3864	3062	407	387	157	126	3384	-6.7
Paperboard, Total	173045	80545	17694	8066	14584	6458	193669	33.3
Convtd Paper&Paperbd Products	199636	168924	18429	15097	12871	11169	187804	53.5
Wet Machine Board	4365	2537	373	218	534	293	5443	65.3
Construction Pap & Bd. E	17488	6212	1533	562	2276	823	22855	39.7

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

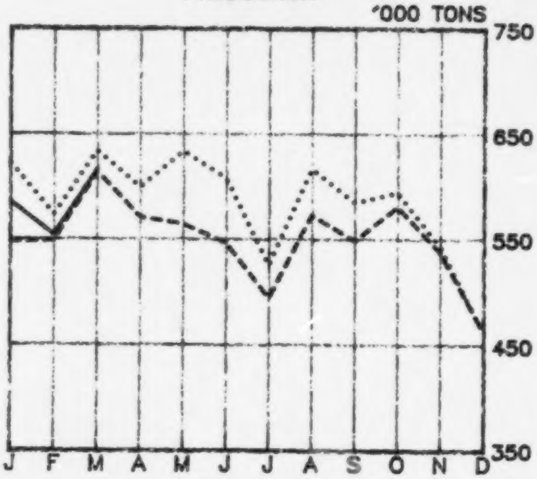
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



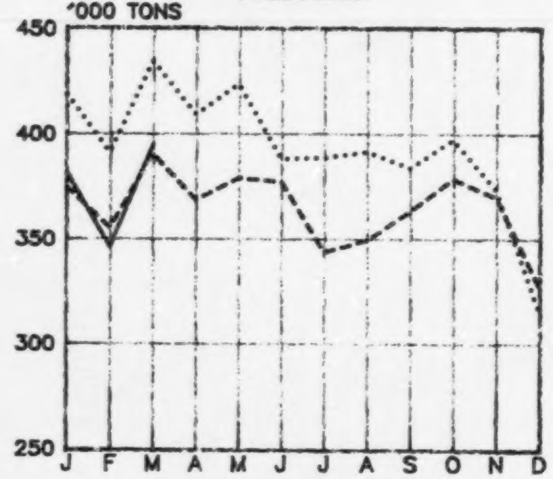
RECYCLED PAPERBOARD

PRODUCTION



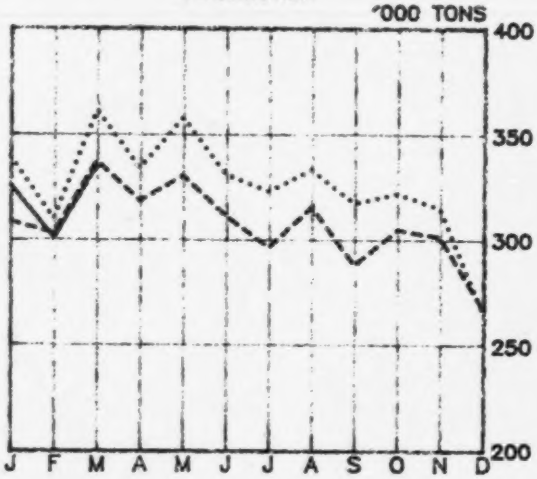
SEMICHEMICAL PAPERBOARD

PRODUCTION



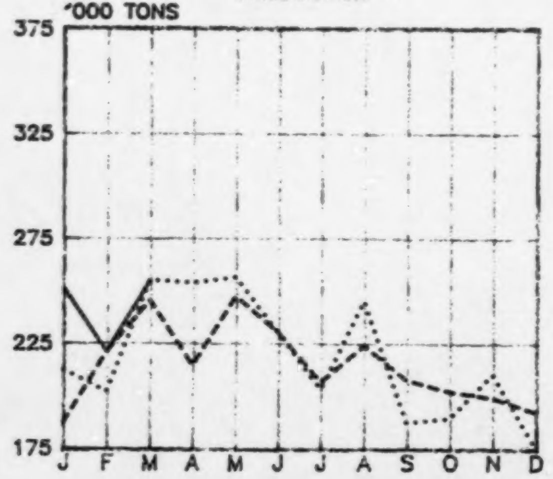
SOLID BLEACHED PAPERBOARD

PRODUCTION



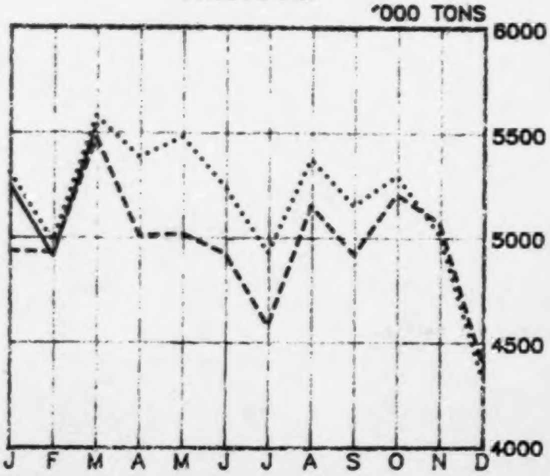
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1981 ········ 1982 - - - - - 1983 ——

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 82 Tons	82 $000	JAN. 83 Tons	83 $000	FEB. 83 Tons	83 $000	(1) Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (cords)	87034	4711	6236	258	9285	386	93126	-29.7
Pulpwood Chips	1687226	51776	131532	3362	153779	4115	1711866	2.4
Total All Imports	11822837	5207263	1004737	413404	828343	341535	10986481	-2.8
Wood Pulp, Total	3655966	1493241	308298	112574	265502	94804	3448800	-0.9
Waste Paper	74332	9450	4564	458	2242	142	40836	-44.3
Other Fibrous Materials	70088	24212	6535	2252	5072	2215	69638	23.5
Paper, Board & Products, Total	8022452	3680361	684340	298120	553528	244375	7427206	-3.5
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	7915863	3342891	675216	271132	544682	218433	7319383	-3.8
Paper, Ppbd & Prds ex Cnst&WMB	7601094	3592161	655021	291300	520819	237650	7055040	-6.3
Paper & Paperboard, Only	7494506	3254691	645897	264312	511973	211708	6947217	-6.6
Paper, Total	7379698	3224993	636843	261900	501215	208951	6828346	-7.2
Newsprint	6530676	2748652	544537	212327	432783	173068	5863920	-11.9
Printing & Writing	764185	408621	84537	43831	62619	32084	882931	37.5
Uncoated Groundwood	514882	248196	52725	24786	41358	18815	564493	37.0
Uncoated Book	142626	80105	18077	9425	9112	4934	163132	20.6
Coated Print.& Impres. Pap	69010	46763	10482	6603	7628	5095	108658	70.3
Bristols	391	416	26	41	34	38	358	-14.3
Writing and Similar Paper	25983	19295	2353	1927	3337	1983	3A140	93.9
Thin (except Cigarette)	11293	13846	874	1048	1151	1220	12149	-6.5
Total Pkg & Other Paper	78009	62478	7487	5547	5505	3558	77951	35.1
Unbleached Kraft Paper	23078	10749	3143	1367	2736	992	35272	23.6
Other Pkg. & Indust. Paper	54931	51729	4345	4181	2769	2566	42679	46.4
Tissue	6828	5241	282	194	308	241	3543	-33.2
Paperboard, Total	114808	29698	9054	2412	10758	2757	118871	51.6
Test or Containerboard	35983	8459	2001	492	2382	586	26292	71.2
Semi-Chemical Corrugating	47295	9679	3781	705	4604	865	50313	66.8
Other Paperboard	31531	11560	3272	1215	3772	1306	42266	28.4
Convtd Paper&Paperbd Products	106589	337470	9125	26988	8846	25942	107823	21.3
Paper Products, Total	92057	306524	7195	21996	7349	22429	87260	11.3
Paperboard Products, Total	14531	30946	1930	4993	1497	3513	20563	95.6
Wet machine Board	1842	1239	224	147	280	194	3023	87.8
Construction Paper & Board	419515	86931	29095	6673	32429	6531	369143	119.3
Notes								
Other: No Weight Avail. ($000)		135275		10717		8810	117157	6.3
Total Imports Incl. Other($000)		5342539		424121		350345	4646796	-11.7

EXPORTS

							(1)	
Pulpwood, Roundwood (cords)	111692	7475	5210	279	4358	248	57408	-27.7
Pulpwood Chips	2860133	231140	159649	12025	200654	13549	2161818	-34.4
Total All Exports	9872299	4312528	795149	314341	875564	311623	10024276	11.2
Wood Pulp, Total	3394240	1414434	233796	91065	263412	93585	2983248	-5.1
Cotton Pulp and Other Pulp	104560	72326	9202	5879	7124	5283	97956	-9.2
Waste and Old Paper	2127050	238933	203055	21883	230559	20791	2601684	31.6
Paper, Board & Products, Total	4246449	2586836	349096	195515	374469	191965	4341388	14.6
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	3670915	1752166	301545	134421	332555	135592	3804601	15.2
Paper, Ppbd & Prod ex Cnst&WMB	4187029	2556461	344723	193317	368142	189176	4277191	14.8
Paper & Paperboard, Only	3611496	1721792	297172	132223	326229	132802	3740404	15.5
Paper, Total	840772	677706	61814	49243	60088	43633	731410	-21.2
Newsprint	307655	142964	21968	10199	18844	8407	244868	-26.8
Printing & Writing	246584	239135	17382	17309	14363	14143	190468	-25.5
Uncoated Groundwood	55913	48430	2961	2924	3148	3078	36652	-48.6
Clay Coated Paper	81368	65485	6793	5058	5352	4083	72873	1.1
Uncoated Free Sheet	70587	75451	6030	6434	4160	4350	61140	-11.1
Other Printing & Writing	38716	49769	1598	2892	1702	2632	19803	-54.5
Total Pkg. & Other Paper	263228	270192	21319	20194	25610	19574	281572	-9.7
Unbleached Kraft	89063	38003	10752	3660	15324	4769	156455	67.8
Other Pkg. & Indust. Paper	174165	232190	10567	16533	10286	14805	125117	-42.8
Tissue	23306	25415	1146	1541	1271	1508	14502	-44.2
Paperboard, Total	2770723	1044086	235358	82980	266141	89169	3008994	30.2
Solid Wood Pulp	2621486	973072	226599	78094	252142	83986	2872451	31.3
Total Linerboard	1886187	542302	166017	41088	180280	44928	2077786	41.2
Bleached Kraft Linerboard	67595	26625	4632	2005	13862	4504	110961	104.0
Unbleached Kraft Linerbd	1818593	515676	161386	39084	166418	40424	1966825	38.8
Other Unbleached Kraft	139215	60780	12254	5300	11483	5441	142421	-23.0
Other Bleached Kraft	534663	351875	45419	30945	46077	30844	548978	18.8
Semi-Chemical Corrugating	61420	18116	2909	760	14302	2772	103265	48.6
Recycled Paperboard	149238	71014	8759	4886	13998	5184	136543	10.4
Convtd Paper&Paperbd Products	575534	834629	47551	61094	41913	56374	536767	10.4
Paper Products, Total	315736	591158	26547	42251	21278	38977	286948	1.2
Paperboard Products, Total	259798	243512	21005	16843	20635	17397	249839	23.2
Wet Machine Board	11088	5938	835	299	1370	561	13228	47.4
Construction Paper & Board E	48332	24437	3538	1899	4957	2228	50869	-3.2
Notes								
Other: No Weight Avail. ($000)		8989		496		450	5672	-43.2
Total Exports Incl. Other($000)		4321517		314837		312073	3761460	-9.6

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES

1967 = 100

	81	82	DEC.	JAN.	FEB.	MARCH	Annual Rate Y-T-D 1982	% Change From Same Period Last Year
Pulp, Paper and Products except Building Grades	270.8	273.3	268.1	269.1	269.0	269.1	269.1	-2.7
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	272.4	275.8	271.7	271.7	271.6	271.7	271.7	-2.6
Total Wood Pulp	397.1	379.2	349.3	350.5	349.5	346.7	348.9	-15.1
Total Paper	279.8	286.4	280.0	279.8	279.1	278.6	279.2	-3.6
Total Paper, exc. Newsprint	271.1	278.3	274.5	274.1	273.2	272.5	273.3	-3.1
Newsprint	307.5	315.8	300.7	300.7	299.1	299.1	298.6	-5.7
Total Paperboard	258.1	254.9	244.5	243.6	244.0	246.6	244.7	-6.1
Total Paper and Paperboard #	273.1	276.6	268.9	268.4	268.1	268.[illegible]	268.4	-4.3
Converted Products	258.8	264.4	264.9	265.0	265.1	265.2	265.1	0.3
Waste Paper	175.7	121.1	116.0	116.0	116.0	116.0	116.0	-11.5
All Commodities	293.4	299.3	300.6	300.0	301.2	300.5	300.8	0.8
Industrial Commodities	304.1	312.3	315.0	314.0	314.4	313.4	313.9	0.8

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

PAPER AND ALLIED PRODUCTS COMPANIES
SALES AND EARNINGS

(Million Dollars)

	Net Sales	Year-To-Year-Change %	Net Income Before Taxes	Taxes	Net Income After Taxes	Year-To-Year-Change %	Margin On Sales %	Stock-holders Equity	Return On Equity (annual rate) %	Long-Term Debt
1981										
First Quarter	15,166		1,155	386	769		5.1	25,114	12.2	10,867
Second Quarter	16,058		1,313	434	879		5.5	25,737	13.7	11,006
Third Quarter	16,073		954	320	633		3.9	26,[illegible]14	9.7	11,349
Fourth Quarter	15,402		1,306	477	829		5.4	26,558	12.5	11,705
Total	62,699		4,[illegible]8	1,617	3,110		5.0	26,558	11.7	11,705
1982										
First Quarter	15,125	-0.3	620	202	418	-45.6	2.8	26,825	6.2	12,086
Second Quarter	15,316	-4.6	637	201	436	-43.3	2.8	26,897	6.5	12,089
Third Quarter	14,913	-7.2	556	148	408	-35.5	2.7	26,795	6.1	12,945
Fourth Quarter	14,939	-3.0	307	109	198	-76.1	1.3	26,705	3.0	13,149
Total	60,293	-3.8	2,120	660	1,460	-53.1	2.4	26,705	5.5	13,149

NOTE: 1981 Data Revised from Published Data by API/FTC for consistency with 1982 data.

SOURCE: 1981, 1982 1st 3 Quarters
1982 Fourth Quarters - Bureau of Census

Continued from Page 2

1983 were equivalent to 44 days of supply, compared to 58 days of supply at the end of February 1982. Newsprint consumption, however, has been in an unusually flat trend since the end of 1978, fluctuating within a range of 11-11.4 million short tons per year. In the first two months of 1983, newsprint consumption was at a seasonally adjusted rate of 11.3 million short tons per year.

Imports of printing and writing papers, by way of contrast, were 37½% above their year-ago total in the first two months of 1983, reflecting increases ranging from 21% to 94% in the separate major grades comprising this category. Some of these comparisons reflect the relatively low rate of imports in the first two months of 1982 but in all cases, the annual rate for the first two months of 1983 was well above the comparable average for the full year, 1982 (detailed data are shown on the table on page 9). Imports of packaging papers were up 35%, with both unbleached kraft papers and other packaging and industrial papers showing sizeable gains. The total value of imports in the first two months of the year was at an annual rate of $4.6 billion, 12% below the comparable 1982 rate.

Exports, however, were 14.8% higher in the first two months of this year compared with last year. Exports of paper were 21% lower, with declines concentrated in the newsprint and printing/writing papers. The major gainer in exports was unbleached kraft paper which, at 156,000 tons a year, was 68% above the comparable 1982 total.

Paperboard exports showed a 30% gain from the 1982 level, with its annual rate well above that for all of 1982. The major gains were in linerboard and bleached kraft paperboard, consistent with the trends shown in the API data on production of paperboard for export. The total dollar value of exports, at $3.76 billion per year, was 10% below the comparable 1982 level.

Both imports and exports of paper, paperboard and products normally rise from February to March and in estimating new supply for the quarter as a whole, we have assumed some increase in March over February levels.

The total new supply of paper and paperboard in the first quarter of 1983, based upon the 62.3 million tons per year (seasonally adjusted rate) produced, and API estimates of imports and exports in March, was at an annual rate of 65.2 million tons per year. This was about 1% above the comparable 1982 total. The first quarter rate compares to the record-high 65.7 million tons of new supply reached in 1981 and the earlier-high 64.4 million tons recorded in 1979.

Relative to the real gross national product (gross national product expressed in 1972 dollars) new supply of paper, paperboard and products in the first quarter of 1983 was equivalent to 43,800 tons per billion dollars. This was above the average

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for total 1982 and compared well with the 43,700 tons per year average for 1981, and the 43,620 tons for 1980. It was below the 44,830 tons per billion dollars average of the 1976-1979 years.

Sales and Earnings

Data showing sales and earnings for 33 companies in the paper and allied products industry for the first quarter of 1983, show sales at $10.2 billion, 5.8% ahead of their comparable 1982 total, and net income after taxes, at $305 million, 0.3% below the year-ago total. With sales going up and earnings only holding steady, the margin on sales declined from 3.2% in first quarter of 1982 to 3.0% in the first quarter of 1983. In the first quarter of last year 6 companies reported net losses; in the first quarter of this year the number reporting losses was reduced to 5 companies. (These 33 companies accounted for approximately 66% of the total sales of all paper and allied products companies.)

Data are also available for 4 lumber and wood products companies. Net sales for these companies in the first quarter of 1983 were $2.82 billion, 12% above their year-ago total. Although 3 of the 4 companies showed gains in earnings, the drop in the fourth company's earnings was so large that the total income after taxes for the 4 companies dropped 17%. The margin on sales for these companies dropped 17%. The margin on sales for these companies dropped from 2.8% in the first quarter of 1982 to 2.1% in the first quarter of 1983.

Financial data for all paper and allied products companies (those companies with at least half their sales in paper and allied products) are reported on a quarterly basis in a government report titled "Quarterly Financial Report for Manufacturing, Mining and Trade Corporations".

As of the fourth quarter of 1982, this report was transferred from the Federal Trade Commission to the Bureau of the Census, Department of Commerce.

The Bureau of the Census reported net sales of all paper and allied products companies at $60.3 billion for 1982, 3.8% below the comparable 1982 level. Net income before taxes, at $2.2 billion was down 55%; net income after taxes, at $1.46 billion, was down 53%. The quarterly patterns for 1982 were more or less in line with the data shown in the February 1983 Monthly Statistical Summary for the publicly reported sales and earnings of 34 paper and allied products companies.

The table on page 10 shows 1981 and 1982 quarterly data for total paper and allied products companies, including details of income and balance sheet data similar to those published in the API's Annual "Statistics of Wood Pulp, Paper and Paperboard".

April 30, 1983	Full Year		INDUSTRY DATA			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1981	1982	January	February	March		
Total Production (API).......| excluding |...	62274	59705	5248	4914	5519	62728	2.1
Total Seasonally Adjusted....|construction|...			5310	5158	5118	62341	2.1
Imports (including Products).| and wet |..E	7941	7601	655	521	N.A.	7400	-5.0
Exports (including Products).| machine |..E	4561	4187	345	368	N.A.	4500	10.0
Apparent Consumption.........| grades |...	65654a	63119b	5620	5311	5380	65241c	+0.7
Paper Production % Tonnage Capacity...........	92.1e	87.6e	87.7	91.1	90.0	90.6ah	-
Paperboard Production % Tonnage Capacity......	90.6a	82.5a	84.0	85.4	88.6	87.2a	-
			December	January	February		
IMPORTS.....|Including Construction and |.....	8339	8022	722	684	554	7427	-3.5
EXPORTS.....| WMB Grades (excl. HPB) |.....	4641	4246	308	349	374	4341	14.6
MARKET WOOD PULP PRODUCTION - Tons (000)........	6210	5668	378	445	488	5597	-2.3
TOTAL WOOD PULP PRODUCTION - Tons (000)..(F)....	52041	49367	3548	4247	4045	49752	0.8
WOOD PULP IMPORTS - TONS (000).................	4087	3656	264	309	266	3449	-0.9
WOOD PULP EXPORTS - TONS (000).................	3678	3394	285	234	263	29[illegible]3	-5.1
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS | excluding |			December	January	February		
Wood Pulp.............|consumption for|.....	50822	48473	3524	4224	3807	48785	1.4
Waste Paper...........|construction & |.....	13875	13525	1044	1177	1106	13698	4.8
TOTAL..........| WMB grades |.....	64697	61998	4568	5401	5013	62483	2.1
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	79747	79156	5967	6995	6771	82596	6.7
EMPLOYMENT (000)			January	February	March		
Paper and Allied Products..........Total......	687.8	659.5	646.2	644.1	645.7	645.3	-3.2
Pulp, Paper and Board Mills........Total.....E	266.6	255.7	250.7	249.0	246.6	248.8	-3.3
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....................	8.60	9.33	9.66	9.65	9.66	9.66	6.9
Pulp, Paper Mills............................E	10.06	10.91	11.31	11.31	11.32	11.31	7.7
Paperboard Mills.............................E	10.23	11.13	11.65	11.61	11.65	11.64	8.6
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1982 Q3	1982 Q4	1983 Q1		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	6.72	5.97	6.16	5.71	5.47	6.09	2.0
INDEX OF OUTPUT PER MAN-HOUR (1977=100).........			January	February	March		
|IN PULP, PAPER |...Production Workers.........	108.2	110.8	118.2	118.5	117.1	117.9	6.7
|AND BOARD MILLS|...All Employees..............	107.5	109.2	115.8	116.0	114.7	115.5	5.8
PAPER AND ALLIED PRODUCTS (Million $)			January	February	March		
Industry Shipments (Dept. of Commerce)*.......	79505	78174	6743	6564	6624	79724	0.1
Pulp, Paper and Paperboard*.................	34260	32501	2779	2758	2774	33244	-2.2
Inventories (End of Period) - Total Industry*.	8825	8808	8731	8688	8650	8650	-3.0
Pulp, Paper and Paperboard*.................	3461	3613	3644	3608	3528	3528	-0.3
			1982 Q3	1982 Q4	1983 Q1		
Sales (Corporations Only, FTC)................	62699	60293	14913	14939	N.A.	N.A.	N.A.
Earnings (Corporations Only, FTC).............	3110	1460	408	198	N.A.	N.A.	N.A.
Depreciation (Corporations Only, FTC).........	2267	2379	602	595	N.A.	N.A.	N.A.
Net Worth (Corporations Only, FTC)............	26558	26705	26795	26705	N.A.	N.A.	N.A.
PRICE INDEXES (Bureau of Labor Stats)1967=100			January	February	March		
Pulp, Paper & Products, ex. Building Grades...	270.8	273.3	269.1	269.0	269.1	269.1	-2.7
Wood Pulp.....................................	397.1	379.2	350.5	349.5	346.7	348.9	-15.1
Waste Paper...................................	175.7	121.1	116.0	116.0	116.0	116.0	-11.5
Paper...	279.8	286.4	279.8	279.1	278.6	279.2	-3.6
Paperboard....................................	258.1	254.9	243.6	244.0	246.6	244.7	-6.1
PAPER DEMAND (INDEXED: 1967=100)			January	February	March		
Total Paper Production *......................	148.4	145.4	154.4	151.4	147.3	151.0	2.3
Paper New Supply *............................	137.3	135.1	143.2	135.3	138.4	139.0	1.3
Total End - Use Index *.....................	150.3	149.4	148.4	149.1	151.2	149.6	-0.6
Production of Nondurable Goods *...(19%)..	164.7	156.1	157.3	157.5	159.2	158.0	0.8
Disposable Income (Constant $) *...(23%)..	154.3	157.5	158.8	158.6	159.4	158.9	1.7
Total Printing and Publishing *...(58%)..	144.0	144.0	141.4	142.5	145.3	143.1	-2.0
Trend Factor	----------------------	----------------------	--------Not Available--------				
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *.................	137.1	128.5	137.6	132.3	133.9	134.6	1.9
Production for Domestic Use	132.9	124.0	131.8	127.9	127.7	129.1	1.1
Total End - Use Index *.....................	149.3	139.5	139.1	139.9	141.2	140.1	-0.4
Production of Consumer Goods *...(60.49%)	147.8	142.7	143.6	144.2	145.3	144.4	2.4
Production of Equipment *...(6.62%)	151.8	139.8	135.2	133.3	134.0	134.2	-8.6
Production of Materials *...(32.89%)	151.5	133.7	131.7	133.2	135.0	133.3	-3.9
Trend Factor	----------------------	----------------------	--------Not Available--------				
NEWSPRINT MARKETS			December	January	February		
Consumption by Publishers - Tons (000)........	11205	11150	1001	891	848	10430	0.8
Newspaper Pub. and Printing Empl. Total(000)..	421.9	424.8	427.5	423.6	424.2	423.9	-0.3
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	123182	120724	9696	8644	9126	106620	3.7
WHOLESALERS SALES AND INVENTORIES (Million $)(J)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	23603	22776	1930	1923	1831	22524	4.9
Inventories (End of Period)	1971	1885	1885	1939	1941	1941	-0.6
FIBRE BOX DATA (Fibre Box Association)			January	February	March		
Fibre Box Shipments (Million square feet)......	246152	235185	19964	18595	21891	241800	2.9
Container'bd Inventory at Mill & Plant(000Tons)	2729	2584	2485	2462	2401	2401	-6.6
RETAIL TRADE (Million $)							
Total Retail Sales *..........................	1047118	1074467	92295	91197	91515	1100028	4.8
Nondurable Goods Stores Sales *.............	731201	753568	63988	63918	63757	766652	3.3
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	150.9	138.6	137.2	137.6	139.1	138.0	-2.7
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	293.4	299.3	300.0	301.2	300.5	300.6	0.8
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	272.4	289.1	293.1	293.2	293.4	293.2	3.6
			December	January	February		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	331.7	344.8	344.8	343.4	341.5	341.5	4.7
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1982 Q3	1982 Q4	1983 Q1		
G.N.P. or Expenditure - Current $.............	2937.7	3059.3	3088.2	3108.2	3176.7	3176.7	6.0
G.N.P. or Expenditure - 1972 $................	1502.6	1476.9	1481.1	1477.2	1488.5	1488.5	1.2

lb/capita

Pap&Papbd	Othr		Totl	Popul(mil)
.a - 572	+ 21	=	593	225.8
.b - 545	+ 15	=	560	232.0
.c - 561	+ 18	=	579	233.0

.E - Last month estimated by API
.e - estimated by API

a - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
J - Census unpublished data; standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter

R - Revised
RS - Revised Series
y - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

APRIL 30, 1983

	PRODUCTION (000 TONS)					
	March 83	Feb. 83	March 82	Jan -March 83	- 82	% Change 83/82
PAPER GRADES	P	R				
Newsprint	448	417	463	1309	1337	-2.1
Printing & Writing	1468	1299	1399	4144	3920	5.7
Uncoated Groundwood (s)	124	108	126	347	346	0.3
Coated Paper (s)	453	426	437	1321	1230	7.4
Uncoated Free Sheet Paper (s)	766	654	714	2130	1997	6.6
Thin Paper (s)	32	27	31	85	84	1.2
Cotton Fiber Paper (s)	11	10	13	32	33	-4.0
Bleached Bristols (s)	83	74	79	230	229	0.2
Tissue Paper	395	374	408	1157	1133	2.1
Total Pkg & Other Paper	464	442	498	1369	1416	-3.4
Unbleached Kraft Packaging & Indl. Converting (s)	313	308	346	951	994	-4.3
Other Paper *	151	134	152	418	423	-1.1
TOTAL PAPER	2774	2532	2767	7978	7806	2.2
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1399	1181	1369	3864	3773	2.4
Unbleached Kraft Linerboard	1306	1107	1268	3616	3490	3.6
Other Unbl. Kraft Paperboard	92	75	101	248	284	-12.6
Semichemical Paperboard	395	346	391	1123	1121	0.2
Bleached Paperboard	335	301	337	961	949	1.3
Recycled Paperboard	617	554	614	1756	1711	2.6
TOTAL PAPERBOARD	2745	2382	2711	7704	7554	2.0
TOTAL PAPER AND PAPERBOARD	5519	4914	5479	15682	15360	2.1

WOOD PULP (ALL GRADES)	Feb. 83	Jan. 83	Feb. 82	Jan - Feb. 83	- 82	% Change 83/82
Dissolving & Special Alpha	112	88	102	201	200	0.1
Bleached Sulphite	103	108	107	212	212	-0.2
Unbleached Sulphite	29	31	27	60	55	8.2
Bleached & Semi-Bl. Sulph.	1622	1708	1634	3330	3264	2.0
Unbleached Sulphate	1470	1556	1590	3026	3018	0.3
Semichemical	291	325	297	616	623	-1.0
Groundwood and Thermo-Mechanical	417	431	410	848	851	-0.4
TOTAL PULP DIVISION DATA	4045	4247	4157	8292	8223	0.8

(s) - Shipments R - Revised E - Estimate
P - Preliminary * - Revised series based on A.P.I. data.

A2500-2 6/7/83

Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 61 - No. 5 May, 1983

Paper and Paperboard Production: Fairly Steady

Preliminary data for April indicate that the two month moving average of seasonally adjusted data on paper and paperboard production was at 61.5 million tons per year. The average during the first four months of 1983 was 61.9 million tons per year. The pattern of production has been fairly steady, with only a minor move up in the February average.

Total production in the January-April 1983 period was 3.3% ahead of the corresponding 1982 total. April's production showed a much better comparison. Last year the rate of production had held relatively steady in the first three months and began to fall off in April. Thus, the preliminary April 1983 production total of 5.24 million tons was 4.5% ahead of the 5.02 million tons produced in 1982. Data for the early weeks of May indicate additional improvement in production gains over last year.

While the overall rate of paper production was fairly steady in the first four months of 1983, there were wide differences among the major grades. The printing/writing grades, for example, were particularly strong, with the four-month total some 6½% ahead of the comparable 1982 level. The major strengths within this group have been in the coated paper and uncoated free sheet grades: coated paper production showed a 7.4% gain over the year-ago level while uncoated free sheet paper output was up 8.1%. In both instances, the annual rates were at record-high levels.

The strength in the uncoated free sheet grades may well have significance beyond the paper industry. Two major components of this grade are computer printout paper and office copy paper. Both are widely used throughout the business economy, and their relatively strong demand may well be indicative of the strengthening trend of the total economy. It also suggests that the growing use of computers throughout the business structure is having a continuing positive effect on the demand for paper. The coated papers are used in magazines and commercial printing; strength in demand here may also be indicative of the strengthening trend in total business sales.

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Newsprint production, by way of contrast, was relatively weak in April, falling to about 400,000 tons. This brought the total for the four months to a level some 3.6% below that of 1982. However, the annual rate at 5.1 million tons was above that of 1982 as a whole and compares well with the record-high 5.2 million tons produced in 1981. The decline in domestic production of newsprint reflected, to some extent, the continued reduction of inventories of newsprint held by publishers. Last year, publishers brought their inventories to high levels in anticipation of possible labor difficulties in Canada. This threat seems to have disappeared and newspapers are bringing their inventories down to more normal levels.

The unbleached kraft paper packaging grades also showed weakness. Production in the first four months of 1982, at 3.72 million tons per year, was 3.4% below the corresponding 1982 total. Other packaging and industrial converting papers, which include the specialty packaging and special industrial grades, are holding up well, showing a 2.9% gain over the comparable 1982 total.

Production of paperboard has followed a pattern similar to that of the total industry, with the rate of production in each month of the January-April period holding within 1.4% of its average level. For the entire January-April period, production of paperboard was 3.8% ahead of the corresponding 1982 total.

The gains in the production of the separate paperboard grades ranged from 0.9% for semi-chemical paperboard to 4.9% for kraft paperboard, with the unbleached kraft linerboard sector 5.9% above its year-ago level. The strength in linerboard reflected strength in exports as well as the increase in the demand for corrugated shipping containers. Total containerboard production for domestic use, at 18.6 million tons per year was 4.2% above 1982. This compared to the 2.9% gain in shipments of corrugated boxes reported by the Fibre Box Association for the January-April 1983 period.

Technical Note:

The Paperboard and Fourdrinier Kraft Board Groups conduct an annual survey of paperboard production by non-members of API, and revise their previous years' data to reflect the results of their survey. This survey regularly receives replies from nearly all the non-reporting producers, so that the final reported industry figures are based on data from approximately 98% of the total available capacity. The results of the revised data are presented in the table on page 3 and the yellow Industry Fact Sheet included with this report. The survey showed total paperboard production at 29,065,328 tons, 0.7% less than the previously reported total.

In addition, the Specialty Packaging and Industrial Paper

Continued on Page 10

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

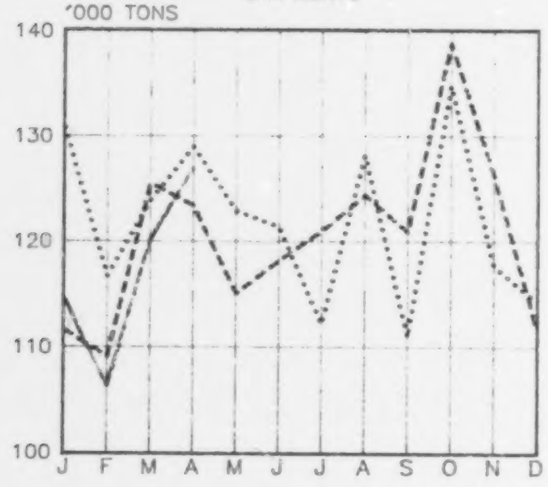
	YEAR		JAN.	FEB.	MARCH	APRIL	Annual Rate Y-T-D	% Change From same Period Last Year
	81	82	83	83	83	83	83	
PAPER					R	P		
Newsprint - Production	5239	5042	444	417	448	400	5127	-3.6
- Shipments	5220	4988	408	386	434	398	4880	-6.0
Printing & Writing	15736	15657	1375	1300	1481	1411	16700	8.5
Groundwood Paper - Shipments	1463	1446	115	106	120	127	1404	-0.3
- New Orders	1449	1457	122	101	126	122	1413	-4.7
- Unfilled Orders	100	89	96	94	106	102	102	-2.4
Coated Paper - Shipments	4940	5032	442	427	458	431	5276	7.4
- New Orders	4853	4998	444	412	499	422	5331	7.7
- Unfilled Orders	360	325	319	305	342	333	333	-7.8
Unctd Free Sheet - Shipments	7898	7864	708	655	773	738	8826	8.1
- New Orders	7735	7837	704	686	834	750	8921	12.5
- Unfilled Orders	370	322	311	342	400	425	425	26.5
Thin Paper - Shipments	336	323	27	27	32	28	339	1.3
Cotton Fiber Paper - Shipments	125	122	10	10	12	11	128	-1.2
Bleached Bristols - Production	974	870	73	74	85	77	926	0.9
Tissue Paper - Production	4518	4441	388	374	395	385	4627	3.4
Total Packaging & Other Paper *	5550	5300	468	445	465	439	5450	-1.5
Unbl. Kraft Paper - Shipments	3873	3688	330	308	313	290	3723	-3.4
Other Paper - Production *	1678	1612	139	137	152	149	1728	2.9
TOTAL PAPER-Production-Unadj.	31042	30440	2676	2535	2788	2635	31904	2.8
-Production-S.A.			2698	2646	2584	2619	31642	2.9
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	24231	22589	1991	1831	2120	2038	23940	3.7
Unbl. Kraft Linerboard (1)	14540	13494	1204	1107	1298	1233	14528	5.9
Production for Export	1887	1931	182	156	194	184	2149	10.8
Other Unbl. Kraft Paperboard	1062	1040	81	75	92	90	1014	-7.7
Semichemical Paperboard	4719	4389	382	347	393	385	4522	0.9
Production for Export	155	185	16	17	17	19	209	16.7
Solid Bleached Paperboard	3910	3665	324	303	337	330	3878	2.4
Production for Export	557	525	50	48	42	46	559	1.6
Recycled Paperboard	7001	6476	579	553	624	589	6975	4.1
Production for Export	24	13	2	1	1	1	16	2.0
TOTAL PAPERBOARD-Prod.-Unadj.	31232	29065	2570	2385	2744	2607	30815	3.8
- Containerboard Prod.(Dom. Use)	19040	17508	1547	1431	1644	1561	18551	4.2
- Boxboard Prod.(Dom. Use) (2)	5544	5150	454	418	488	457	5453	1.3
- All Other P'bd Prod.(D.U.) (2)	4026	3753	318	313	357	339	3978	1.8
- Total Paperbd Prod. for Export	2622	2654	251	222	255	250	2832	5.3
TOTAL PAPERBOARD PROD. - S.A.			2609	2518	2545	2509	30544	3.8
TOTAL PAPER AND PAPERBOARD								
Production - actual	62274	59505	5246	4920	5532	5242	62819	3.3
Production - S.A.			5306	5165	5129	5128	62186	3.3

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

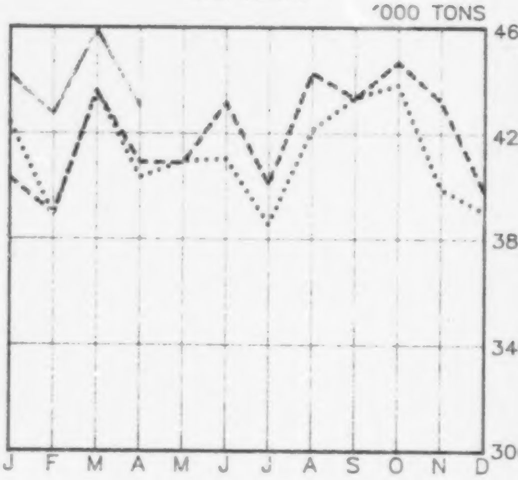
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



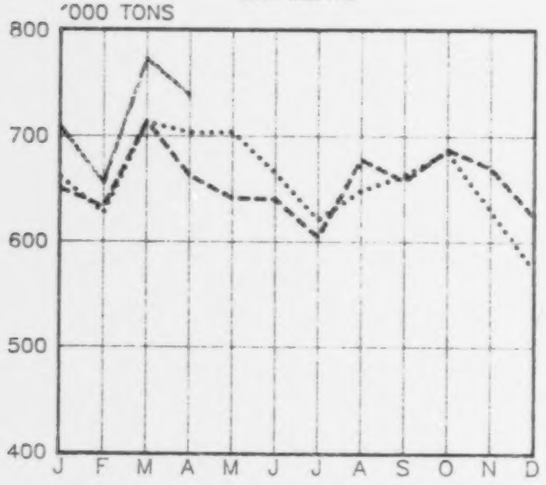
COATED PAPER

SHIPMENTS



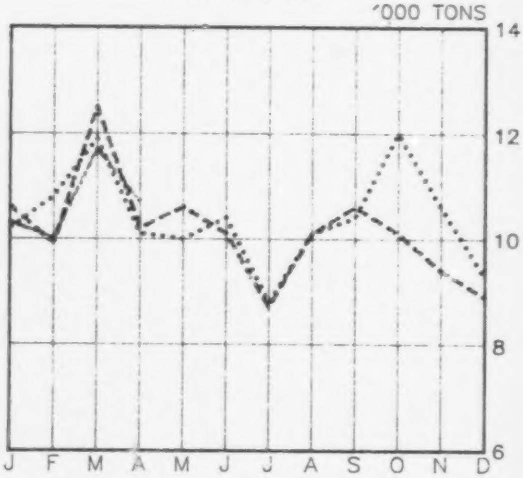
UNCOATED FREE SHEET PAPERS

SHIPMENTS



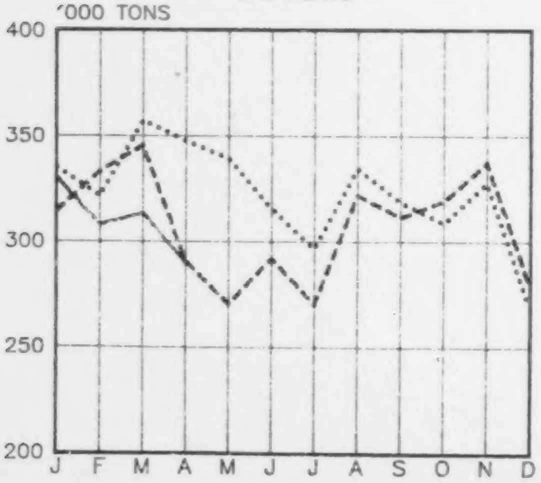
COTTON FIBER PAPER

SHIPMENTS



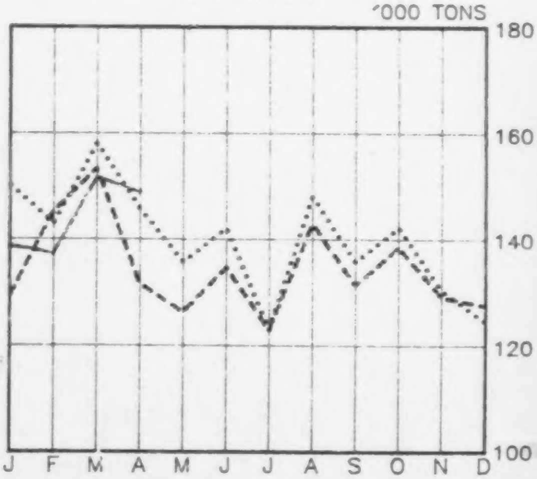
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1981 ······· 1982 ----- 1983 ———

WOOD PULP STATISTICS
(Thousands of Tons)

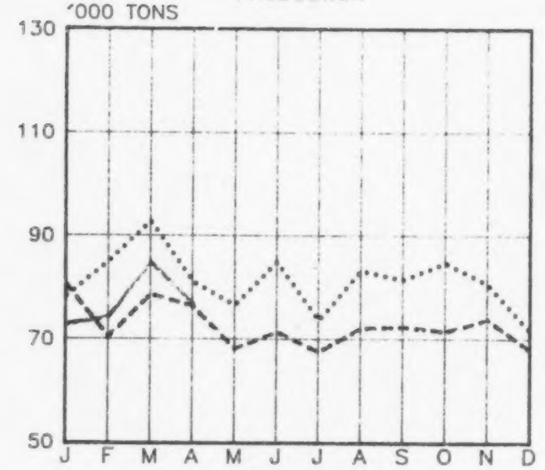
	YEAR 81	YEAR 82	DEC. 82	JAN. 83	FEB. 83	MARCH 83	Annual Rate Y-T-D 83	% Change from same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	52041	49367	3548	4247	4047	4572	51465	0.4
- Imports	4087	3656	264	309	266	338	3651	4.2
- Exports	3678	3394	285	234	271	332	3346	-0.7
- New Supply	52450	49628	3527	4323	4041	4578	51768	0.7
Dissolving Pulp - Production	1353	1092	66	88	112	112	1250	-3.3
- Imports	249	186	10	25	10	21	224	6.2
- Exports	784	631	51	59	30	58	592	-3.6
- New Supply	818	647	24	54	92	75	882	-0.4
Paper Grades Chemical Pulp - Production	41445	39478	2830	3403	3226	3706	41340	1.2
- Imports	3655	3302	249	274	242	305	3284	5.0
- Exports	2870	2736	228	171	236	272	2716	-0.6
- New Supply	42230	40044	2851	3506	3232	3740	41908	1.6
Groundwood and Thermo-Mech. - Production	5320	5097	388	431	417	436	5140	-2.3
- Imports	183	167	6	11	14	11	143	-16.1
- Exports	24	27	6	3	4	3	40	86.0
- New Supply	5478	5237	386	439	427	445	5243	-3.1
Semi-Chemical - Production	3924	3699	264	325	291	318	3736	-4.0
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp ------	
- New Supply	3924	3699	264	325	291	318	3736	-4.0
MARKET WOOD PULP								
Total Market Wood Pulp - Production	6210	5668	378	445	488	577	6038	1.2
- Imports	2924	2443	224	203	209	229	2560	-1.8
- Exports	3352	3079	279	221	256	327	3215	4.1
- New Supply	5782	5032	322	427	441	479	5383	-1.8
Dissolving Pulp - Production	1352	1089	66	88	112	112	1250	-3.2
- Imports	241	194	14	24	10	22	227	27.8
- Exports	787	675	70	46	60	75	723	4.1
- New Supply	806	608	9	66	63	59	753	-2.7
Paper Grades Chemical Pulp - Production	4857	4578	312	356	374	464	4777	2.2
- Imports	2634	2202	204	178	198	205	2323	-2.9
- Exports	2555	2404	209	175	196	252	2492	4.1
- New Supply	4936	4377	308	359	376	417	4608	-1.4
Groundwood Pulp and All Other - Production	2	1	0	1	1	1	12	0.0
- Imports	49	46	5	0	1	1	10	-72.7
- Exports	10	0	0	0	0	0	0	0.0
- New Supply	40	47	5	1	2	2	22	-40.9

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp & Raw Materials Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

FIBROUS RAW MATERIALS
(Thousands of tons)

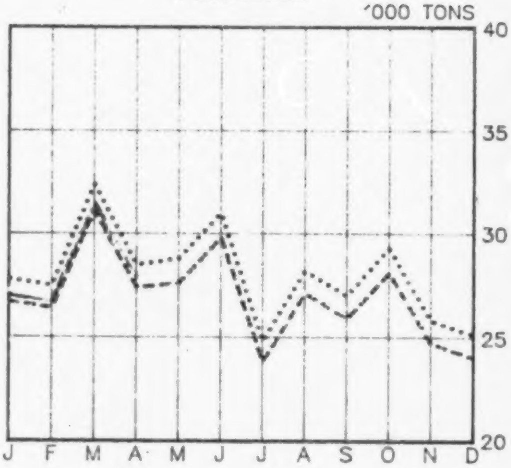
	YEAR 81	YEAR 82	DEC. 82	JAN. 83	FEB. 83	MARCH 83	Annual Rate Y-T-D 83	% Change from same Period Last Year
CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	64573	61742	4531	5378	4995	5645	64073	1.4
Total Wood Pulp	50698	48217	3506	4201	3889	4394	49937	0.7
Waste Paper	13875	13525	1025	1177	1106	1251	14136	4.2
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	188	177	177	186	192	193	193	-4.2
Market Pulp at Pulp Mills	393	437	437	424	422	407	407	0.3
Mkt Pulp at Ppr. & Bd. Mills *	454	492	492	472	487	535	535	12.4
Waste Paper at Paper &Bd. Mills	1211	1017	1017	931	858	851	851	-21.9
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	33	37	37	35	35	31	31	-3.1

SOURCES: Wood Pulp Data, Pulp & Raw Materials Group, API. Waste Paper Data, Paper Recycling Committee, API
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons



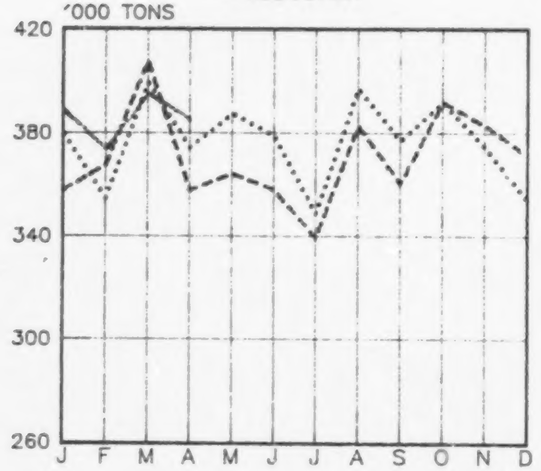
BLEACHED BRISTOLS

PRODUCTION



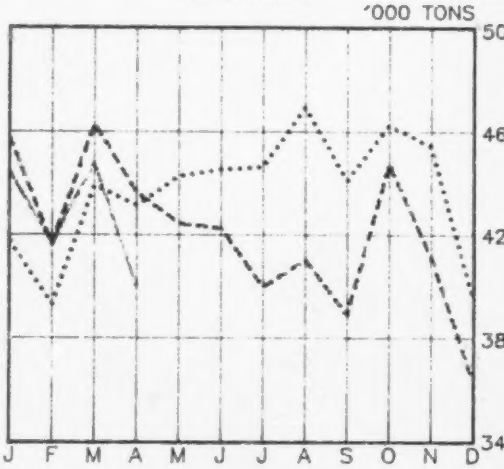
THIN PAPER

PRODUCTION



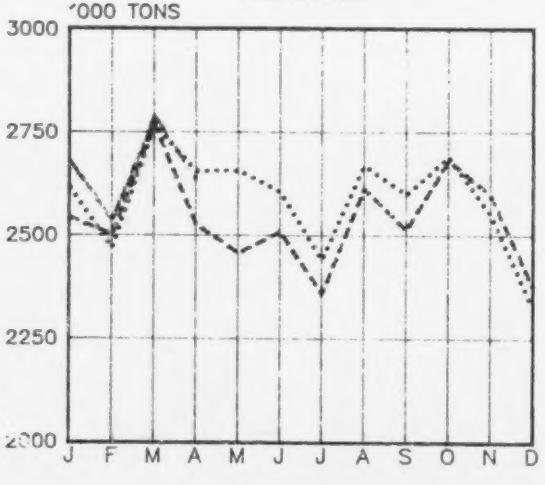
TISSUE PAPER

PRODUCTION



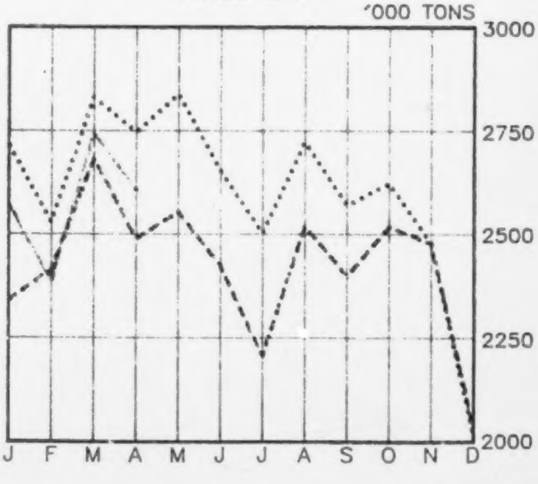
NEWSPRINT

PRODUCTION



TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION

1981 ········ 1982 - - - - - 1983 ———

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic Foot) Cords)

		YEAR 81	82	DEC. 82	JAN. 83	FEB. 83	MARCH 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	78547	78519	6152	6926	6525	7051	82008	7.1
	- Total Consumpt.	79747	79156	5967	6985	6771	7360	84504	6.0
	- Residues *	30590	31152	2465	2558	2524	2777	31436	12.2
	- Inventories	6045	5426	5426	5613	5397	5109	5109	-3.1
So. Atlantic	- Total Receipts	24681	23769	1901	2084	1921	2138	24572	4.4
	- Total Consumpt	24815	23842	1779	2136	2072	2259	25864	7.0
	- Residues *	8770	8273	687	652	609	646	7628	-5.4
	- Inventories	1031	1165	1165	1155	1012	903	903	4.6
Northeast	- Total Receipts	7803	7283	560	646	590	563	7196	-7.4
	- Total Consumpt	7712	7221	515	653	602	627	7528	0.5
	- Residues *	1362	1452	129	92	93	118	1212	-4.7
	- Inventories	635	652	652	683	710	656	656	-6.6
South Central	- Total Receipts	27744	26510	2087	2355	2155	2536	28184	7.7
	- Total Consumpt	27687	27153	2055	2347	2244	2570	28644	3.0
	- Residues *	8923	8616	705	750	664	809	8892	11.8
	- Inventories	1825	1346	1346	1469	1360	1330	1330	-7.1
North Central	- Total Receipts	5650	5601	537	634	600	472	6824	18.0
	- Total Consumpt	5708	5706	476	544	503	558	6420	13.3
	- Residues *	1439	1517	178	152	172	158	1929	58.6
	- Inventories	1106	925	925	1001	1080	988	988	-10.2
West	- Total Receipts	13669	15356	1067	1207	1259	1342	15232	14.7
	- Total Consumpt	13825	15234	1142	1315	1350	1347	16048	10.2
	- Residues *	10096	11294	766	912	986	1046	11776	23.6
	- Inventories	1428	1338	1338	1295	1235	1232	1232	4.7

* - Consumption of Residues in Card Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 82 Tons	$000	FEB. 83 Tons	$000	MARCH 83 Tons	$000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic Feet)	87043	4711	9285	388	6792	292	[illegible]3252	-32.7
Pulpwood Chips	1683605	51612	153778	4114	210882	5238	1984768	4.3
Wood Pulp, Total	3364194	1386688	242972	88099	325401	118925	3425264	4.3
Waste Fibrous Materials, Total	129749	23299	9626	1945	11777	2160	126803	5.4
Paper, Board & Products, Total	7706363	3270806	519198	209236	748493	293735	7630701	-1.4
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	7663915	3199903	516095	203934	743430	284496	7585671	-1.5
Paper Paperboard & Products	7325528	3191277	490150	203272	698947	283070	7209487	-4.7
Paper & Paperboard, Only	7283080	3120274	487047	197970	693884	273830	7164457	-4.8
Paper, Total	7169660	3092157	476459	195346	678329	269911	7025149	-5.6
Newsprint	6484605	2730256	432429	172974	612724	236351	6342264	-7.2
Printing, Writing & Rel. Pap.	612750	310162	38331	18813	56547	27651	601900	11.3
Pack. & Ind. Conv. Paper	64727	44734	5374	3209	7886	4616	73409	24.1
Special Industrial Paper	1899	3123	120	211	318	523	2334	31.9
Tissue Paper	5680	3882	205	140	835	571	5242	18.2
Paperboard, Total	113420	28117	10588	2624	15555	3920	139306	57.7
Convtd Paper&Paperbd Products	42448	71003	3103	5302	5063	9239	45030	12.8
Wet Machine Board	1302	737	224	139	256	159	2801	246.3
Construction Paper & Board	379533	78692	28824	5825	49280	10508	418413	141.0

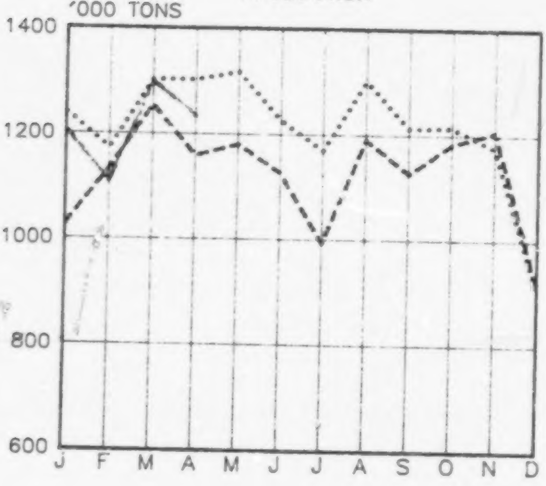
EXPORTS TO CANADA

	YEAR 82 Tons	$000	FEB. 83 Tons	$000	MARCH 83 Tons	$000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic Feet)	107700	7263	4358	248	1454	71	44068	-34.9
Pulpwood Chips	27630	1500	783	37	2021	107	18328	-34.8
Wood Pulp, Total	116067	54691	11318	4540	14626	5442	143604	15.2
Cotton Pulp & Other Pulp	6790	4151	476	277	835	405	7348	7.7
Waste Paper	271395	32555	21328	2316	27014	2865	290596	26.0
Paper, Board & Products, Total	583178	443599	47328	33208	61755	42804	659219	26.0
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	383543	274676	34456	22039	42253	26739	456008	17.7
Paper, Paperboard & Products	561326	434851	44518	32091	58360	41610	626774	24.9
Paper & Paperboard, Only	361690	265927	31646	20922	38858	25544	423562	15.7
Paper, Total	188645	185382	17062	14464	24559	18676	237253	14.4
Newsprint	3037	2671	177	172	321	257	3829	31.6
Printing, Writing & Rel. Pap.	113247	95530	8917	7413	13067	9378	132812	11.7
Pack. & Ind. Conv. Paper	20289	13615	1905	1191	2522	1642	24657	53.6
Special Industrial Paper	48129	70505	5905	5561	8403	7146	72720	11.1
Tissue	3664	3062	157	126	245	243	3235	-17.7
Paperboard, Total	173045	80545	14584	6459	14298	6869	186309	17.3
Convtd Paper&Paperbd Products	199636	168924	12872	11169	19502	16065	203211	49.7
Wet Machine Board	4365	2537	534	293	849	353	7026	98.6
Construction Pap & Bd. E	17488	6212	2276	823	2546	941	23419	44.4

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

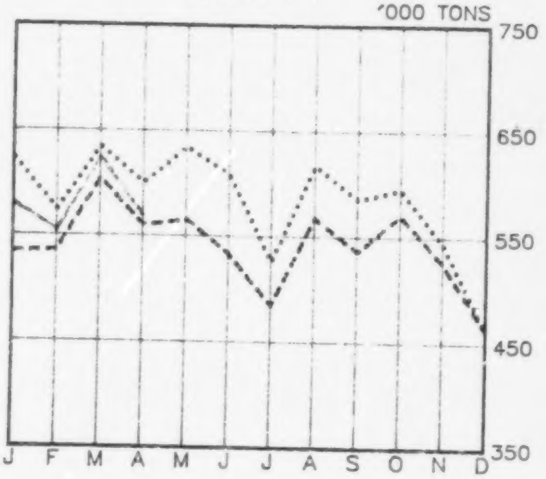
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



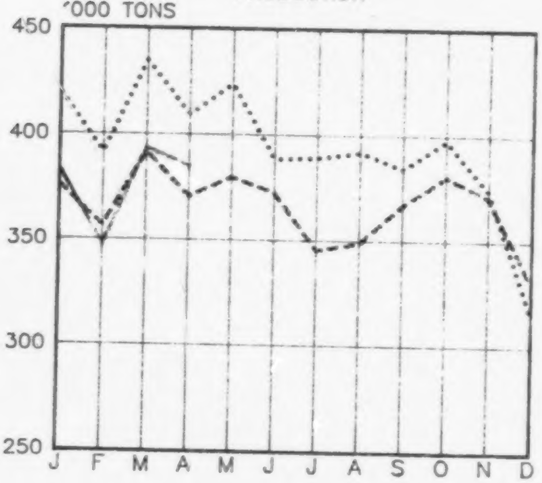
RECYCLED PAPERBOARD

PRODUCTION



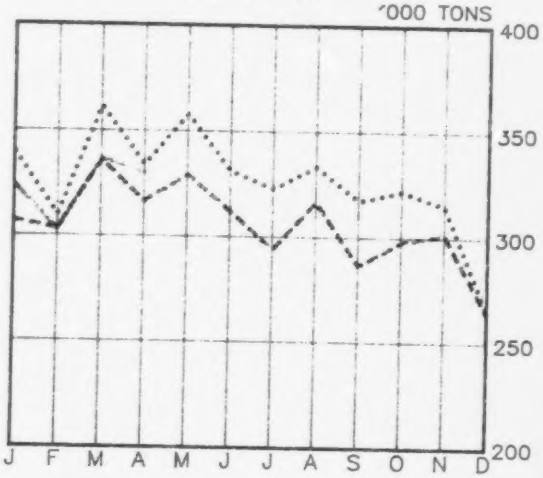
SEMICHEMICAL PAPERBOARD

PRODUCTION



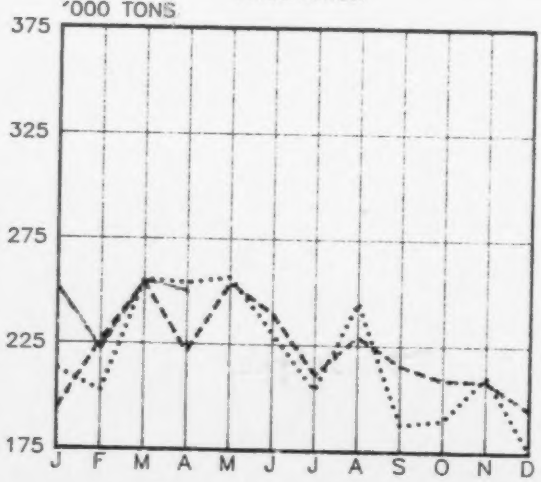
SOLID BLEACHED PAPERBOARD

PRODUCTION



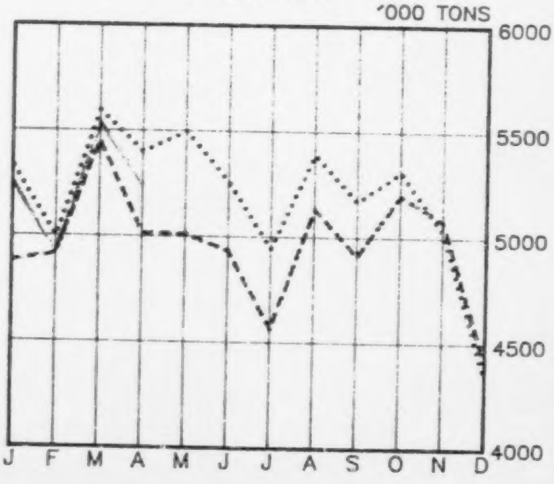
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1981 ········ 1982 - - - - - 1983 ———

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

MAY 24, 1983

PRODUCTION (000 TONS)

	April 83	March 83	April 82	Jan -April 83	Jan -April 82	% Change 83/82
PAPER GRADES	P	R				
Newsprint	400	448	437	1709	1773	-3.6
Printing & Writing	1411	1481	1309	5567	5228	6.5
Uncoated Groundwood (s)	127	120	123	468	470	-0.3
Coated Paper (s)	431	459	409	1759	1638	7.4
Uncoated Free Sheet Paper (s)	738	773	663	2875	2660	8.1
Thin Paper (s)	28	32	27	113	112	1.3
Cotton Fiber Paper (s)	11	12	10	43	43	-1.2
Bleached Bristols (s)	77	85	76	309	306	0.9
Tissue Paper	385	395	358	1542	1491	3.4
Total Pkg & Other Paper	439	465	422	1817	1844	-1.5
Unbleached Kraft Packaging & Indl. Converting (s)	290	313	291	1241	1284	-3.4
Other Paper *	149	152	132	576	559	2.9
TOTAL PAPER	2635	2788	2525	10635	10336	2.9
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1323	1390	1243	5180	4939	4.9
Unbleached Kraft Linerboard	1233	1298	1158	4842	4572	5.9
Other Unbl. Kraft Paperboard	90	92	85	338	366	-7.7
Semichemical Paperboard	385	393	370	1507	1494	0.9
Bleached Paperboard	330	337	316	1293	1262	2.4
Recycled Paperboard	569	624	560	2325	2233	4.1
TOTAL PAPERBOARD	2607	2744	2490	10305	9928	3.8
TOTAL PAPER AND PAPERBOARD	5242	5532	5015	20940	20264	3.3

WOOD PULP (ALL GRADES)	March 83	Feb. 83	March 82	Jan -March 83	Jan -March 82	% Change 83/82
Dissolving & Special Alpha	112	112	123	312	323	-3.3
Bleached Sulphite	114	103	122	325	334	-2.5
Unbleached Sulphite	23	29	32	83	87	-5.1
Bleached & Semi-Bl. Sulph.	1863	1624	1775	5195	5039	3.1
Unbleached Sulphate	1706	1470	1732	4732	4750	-0.4
Semichemical	318	291	350	934	973	-4.0
Groundwood and Thermo-Mechanical	436	417	464	1285	1316	-2.3
TOTAL PULP DIVISION DATA	4572	4047	4597	12866	12820	0.4

(s) - Shipments R - Revised E - Estimate
P - Preliminary * - Revised series based on A.P.I. data.

8b

May 26, 1983

	Full Year		INDUSTRY DATA			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1981	1982	February	March	April		
Total Production (API).......| excluding |...	62274	59505	4920	5532	5242	62819	3.3
Total Seasonally Adjusted....|construction|...			5165	5129	5128	62186	3.3
Imports (including Products).| and wet |..E	7941	7601	523	736	N.A.	7542	-2.9
Exports (including Products).| machine |..E	4561	4187	368	348	N.A.	4203	2.8
Apparent Consumption.........| grades |...	65654a	62919 b	5320	5517	5388	65525c	+2.9
Paper Production % Tonnage Capacity...........	92.1s	87.7Rs	91.3	90.4	88.3	90.2sh	-
Paperboard Production % Tonnage Capacity......	90.6s	81.9Rs	85.5	88.8	87.0	87.1s	-
			January	February	March		
IMPORTS.....|Including Construction and |.....	8339	8022	684	555	789	8116	1.5
EXPORTS.....| WMB Grades (excl. HPB) |.....	4641	4246	349	375	355	4315	3.8
MARKET WOOD PULP PRODUCTION - Tons (000)........	6210	5668	445	488	577	6038	1.2
TOTAL WOOD PULP PRODUCTION - Tons (000)..(F)....	52041	49367	4247	4047	4572	51465	0.4
WOOD PULP IMPORTS - TONS (000)...................	4087	3656	309	266	338	3651	4.2
WOOD PULP EXPORTS - TONS (000)...................	3678	3394	234	271	332	3348	-0.7
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS | excluding |			January	February	March		
Wood Pulp.............|consumption for|.....	50698	48217	4201	3889	4394	49937	0.7
Waste Paper...........|construction & |.....	13875	13525	1177	1106	1251	14136	4.2
TOTAL..........| WMB grades |.....	64573	61742	5378	4985	5645	64073	1.4
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	79747	79156	6995	6771	7360	94504	6.0
EMPLOYMENT (000)			February	March	April		
Paper and Allied Products..........Total......	687.8	659.5	644.1	646.2	648.0	646.1	-2.9
Pulp, Paper and Board Mills........Total.....E	266.6	255.7	249.0	248.4	248.4	249.1	-3.4
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.......................	8.60	9.33	9.66	9.68	9.70	9.68	6.9
Pulp, Paper Mills.........................E	10.06	10.91	11.34	11.36	11.38	11.35	7.8
Paperboard Mills..........................E	10.23	11.13	11.56	11.67	11.68	11.84	• 8.4
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1982 Q3	1982 Q4	1983 Q1		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	6.72	5.97	6.16	5.71	5.47	6.09y	2.0
INDEX OF OUTPUT PER MAN-HOUR (1977=100)..........			February	March	April		
|IN PULP, PAPER |...Production Workers..........	108.2	110.5	116.6	116.8	115.5	117.3	6.8
|AND BOARD MILLS|...All Employees.............	107.5	108.9	116.2	114.8	114.1	115.2	6.3
PAPER AND ALLIED PRODUCTS (Million $)			January	February	March		
Industry Shipments (Dept. of Commerce)*.......	79505	78174	6743	6564	6624	79724	0.1
Pulp, Paper and Paperboard*..................	34260	32501	2779	2758	2774	33244	-2.2
Inventories (End of Period) - Total Industry*.	8825	8808	8731	8688	8650	8650	-3.0
Pulp, Paper and Paperboard*..................	3461	3613	3644	3608	3528	3528	-0.3
			1982 Q3	1982 Q4	1983 Q1		
Sales (Corporations Only, FTC)................	62699	60293	14913	14939	N.A.	N.A.	N.A.
Earnings (Corporations Only, FTC).............	3110	1460	408	198	N.A.	N.A.	N.A.
Depreciation (Corporations Only, FTC).........	2267	2379	602	595	N.A.	N.A.	N.A.
Net Worth (Corporations Only, FTC)............	25558	26705	26795	26705	N.A.	N.A.	N.A.
PRICE INDEXES (Bureau of Labor Stats)1967=100			February	March	April		
Pulp, Paper & Products, ex. Building Grades...	270.8	273.2	269.0	269.1	268.8	269.0	-2.3
Wood Pulp.....................................	397.1	379.1	349.5	346.7	344.5	347.8	-14.2
Waste Paper...................................	175.7	121.1	116.0	116.0	116.0	116.0	-11.0
Paper...	279.8	286.3	279.1	278.6	278.7	279.1	-3.6
Paperboard....................................	258.1	254.9	244.0	246.6	248.4	245.7	-5.8
PAPER DEMAND (INDEXED: 1967=100)			February	March	April		
Total Paper Production *......................	148.4	145.5	151.6	148.1	150.1	151.1	2.9
Paper New Supply *............................	137.7	135.1	135.5	141.0	137.2	139.3	2.6
Total End - Use Index *......................	150.3	149.4	150.2	151.4	153.4	150.8	0.4
Production of Nondurable Goods *...(19%)..	164.7	156.1	158.6	160.1	163.1	159.8	2.1
Disposable Income (Constant $) *...(23%)..	154.3	157.5	158.7	159.2	159.6	159.1	1.5
Total Printing and Publishing *...(58%)..	144.0	144.0	144.0	145.4	147.7	144.6	-0.6
Trend Factor	----------------	----------------	----------------	Not Available	----------------	----------------	----------------
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *................	137.1	127.6	132.4	133.8	131.9	133.9	3.8
Production for Domestic Use	132.9	122.7	128.0	127.7	125.9	128.2	3.2
Total End - Use Index *.....................	149.3	139.5	140.0	141.3	144.3	141.2	0.5
Production of Consumer Goods *...(60.49%)	147.8	142.7	143.9	144.7	147.7	145.0	2.6
Production of Equipment *...(6.62%)	151.8	139.8	132.8	134.3	136.4	134.7	-7.7
Production of Materials *...(32.89%)	151.5	133.7	134.3	136.5	138.5	135.6	-1.8
Trend Factor	----------------	----------------	----------------	Not Available	----------------	----------------	----------------
NEWSPRINT MARKETS			January	February	March		
Consumption by Publishers - Tons (000).........	11205	11150	890	846	968	10812	0.9
Newspaper Pub. and Printing Empl. Total(000)..	421.9	424.8	423.6	423.4	424.4	423.8	-0.3
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	123182	120724	6644	9126	11585	117419	5.2
WHOLESALERS SALES AND INVENTORIES (Million $)(j)							
Total Paper & Pap. Prdcts..ex Wallpaper..Sales	23603	22776	1923	1826	2148	23598	5.2
Inventories (End of Period)	1971	1885	1959	1967	1988	1988	3.3
FIBRE BOX DATA (Fibre Box Association)			February	March	April		
Fibre Box Shipments (Million square Feet)......	246152	235185	18617	21917	20466	242952	2.9
Container'bd Inventory at Mill & Plant(000Tons)	2729	2584	2462	2414	2475	2475	-6.8
RETAIL TRADE (Million $)							
Total Retail Sales *..........................	1047118	1074467	91164	92741	94219	1111257	5.6
Nondurable Goods Stores Sales *..............	731201	753568	63674	61750	61729	753420	1.6
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	150.9	138.6	138.0	139.7	142.6	139.4	-1.4
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	293.4	299.3	301.2	300.5	300.8	300.6	0.9
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	272.4	289.1	293.2	293.4	295.5	293.8	3.7
			January	February	March		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	331.7	344.8	343.2	340.3	342.6	342.6	5.0
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billions$).			1982 Q3	1982 Q4	1983 Q1		
G.N.P. or Expenditure - Current $.............	2937.7	3059.3	3088.2	3108.2	3170.9	3170.9	5.9
G.N.P. or Expenditure - 1972 $................	1502.6	1476.9	1481.1	1477.2	1486.2	1486.2	1.1

lb/capita

	Pap&Papbd		Othr		Totl	Popul(mil)
.a	- 572	+	21	=	593	229.8
.b	- 543	+	15	=	558	232.0
.c	- 562	+	18	=	580	233.0

.E - Last month estimated by API

s - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
j - Census unpublished data; standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter

R - Revised
RS - Revised Series
y - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

I M P O R T S

	YEAR 82		FEB. 83		MARCH 83		(1) Annual Rate Y-T-D	% Change From same Period
	Tons	$000	Tons	$000	Tons	$000	83	Last Year
Pulpwood, Roundwood (cords)	87034	4711	9285	386	6792	292	89252	-32.7
Pulpwood Chips	1687226	51776	153779	4115	210896	5240	1984826	4.3
Total All Imports	11822837	5207263	831687	343369	1139795	461442	11904873	2.2
Wood Pulp, Total	3655966	1493241	265502	94804	337913	122039	3650852	4.2
Waste Paper	74332	9450	4591R	535R	6903	743	64232	-14.8
Other Fibrous Materials	70088	24212	6148R	2215	5744	2280	73709	13.2
Paper, Board & Products, Total	8022452	3680361	555446	245815	799234	336379	8116080	1.5
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	7915863	3342891	546591	219830	777006	301316	7995251	1.2
Paper, Ppbd & Prds ex Cnst&WMB	7601094	3592161	522581	239054	735817	324855	7653679	-1.7
Paper & Paperboard, Only	7494506	3254691	513726	213068	723589	289792	7532850	-2.1
Paper, Total	7379698	3224993	502968	210311	707170	285244	7387924	-2.9
Newsprint	6530676	2748652	432783	173068	619958	236540	6389112	-7.0
Printing & Writing	764185	408621	62619	32084	76278	38974	893733	35.0
Uncoated Groundwood	514882	248196	41358	18815	52272	23873	585415	37.6
Uncoated Book	142626	80105	9112	4934	9874	5594	148252	3.4
Coated Print.& Impres. Pap	69010	46763	7628	5095	8798	5833	107631	83.7
Bristols	391	416	34	38	38	54	390	-16.5
Writing and Similar Paper	25983	19295	3337	1983	4229	2567	39675	75.1
Thin (except Cigarette)	11293	13846	1151	1220	1068	1053	12370	6.7
Total Pkg & Other Paper	78009	62478	7258R	4918R	9980	7082	98903	45.0
Unbleached Kraft Paper	23078	10749	2736	992	3447	1510	37302	39.5
Other Pkg. & Indust. Paper	54931	51729	4522R	3926R	6534	5572	61601	48.6
Tissue	6828	5241	308	241	954	648	6176	15.6
Paperboard, Total	114808	29698	10758	2757	16420	4548	144926	62.0
Test or Containerboard	35983	8459	2382	586	5111	1324	37970	56.7
Semi-Chemical Corrugating	47295	9679	4604	865	6670	1377	60222	84.8
Other Paperboard	31531	11560	3772	1306	4639	1848	46733	43.1
Convtd Paper&Paperbd Products	106589	337470	8855	25986	12228	35063	120830	28.5
Paper Products, Total	92057	306524	7358	22473	10276	30862	99314	19.1
Paperboard Products, Total	14531	30946	1497	3513	1952	4201	21516	102.2
Wet machine Board	1842	1239	280	194	292	173	3183	109.5
Construction Paper & Board	419515	86961	32584	6567	53125	11351	459218	121.9
Notes								
Other: No Weight Avail. ($000)		135275		8813		10414	119772	0.2
Total Imports Incl. Other($000)		5342539		352181		471856	4992632	-7.7

E X P O R T S

							(1)	
Pulpwood, Roundwood (cords)	111692	7475	4358	248	1454	71	44088	-37.2
Pulpwood Chips	2860133	231140	200654	13549	224668	14909	2339884	-25.5
Total All Exports	9872299	4312528	830563	311623	903652	358739	10117464	5.3
Wood Pulp, Total	3394240	1414434	263412	93585	332456	121010	3318656	-1.6
Cotton Pulp and Other Pulp	104560	72326	7124	5283	8336	5622	98648	-4.3
Waste and Old Paper	2127050	238933	185561R	20791	207555	23161	2384684	21.0
Paper, Board & Products, Total	4246449	2586836	374468	191965	355305	208946	4315476	3.8
Paper, Paperboard, Wet Machine Bo. & Construction Paper & Board	3670915	1752166	332555	135592	307632	139554	3766924	3.0
Paper, Ppbd & Prod ex Cnst&WMB	4187029	2556461	368142	189176	348039	205487	4243618	3.7
Paper & Paperboard, Only	3611496	1721792	326229	132802	300366	136096	3695066	2.9
Paper, Total	840772	677706	60088	43633	72371	53361	777089	-19.2
Newsprint	307655	142964	18844	8407	22838	9956	254596	-26.2
Printing & Writing	246584	239135	14363	14143	20841	18470	210340	-20.5
Uncoated Groundwood	55913	48430	3148	3078	4129	3572	40949	-39.7
Clay Coated Paper	81368	65485	5352	4083	7927	5602	80291	6.4
Uncoated Free Sheet	70587	75451	4160	4350	5417	5244	62428	-16.7
Other Printing & Writing	38716	49769	1702	2632	3368	4051	26672	-42.4
Total Pkg. & Other Paper	263228	270192	25610	19574	27020	22884	295793	-9.5
Unbleached Kraft	89063	38003	15324	4769	9141	2878	140866	59.9
Other Pkg. & Indust. Paper	174165	232190	10286	14805	17879	20006	154926	-35.1
Tissue	23306	25415	1271	1508	1673	2051	16360	-35.8
Paperboard, Total	2770723	1044086	266141	89169	227995	82735	2917977	11.0
Solid Wood Pulp	2621486	973072	252142	83986	215872	76181	2778454	11.4
Total Linerboard	1886187	542302	180280	44928	148594	36780	1979568	16.0
Bleached Kraft Linerboard	67595	26625	13862	4504	7470	3012	103855	59.7
Unbleached Kraft Linerbd	1818593	515676	166418	40424	141124	33768	1875713	14.3
Other Unbleached Kraft	139215	60780	11483	5441	3775	5141	134046	-20.6
Other Bleached Kraft	534663	351875	46077	30844	47972	32325	557875	3.9
Semi-Chemical Corrugating	61420	18116	14302	2772	9531	1935	106966	29.4
Recycled Paperboard	149238	71014	13998	5184	12124	6554	139524	4.2
Convtd Paper&Paperbd Products	575534	834669	41913	56374	47674	69392	548552	9.6
Paper Products, Total	315736	591158	21278	38977	27428	51262	301012	-1.7
Paperboard Products, Total	259798	243512	20635	17397	20245	18130	247540	27.2
Wet Machine Board	11088	5938	1370	561	1620	658	15296	88.6
Construction Paper & Board E	48332	24437	4956	2228	5646	2800	56562	-4.8
Notes								
Other: No Weight Avail. ($000)		8989		450		667	6450	-30.1
Total Exports Incl. Other($000)		4321517		312073		359406	3945263	-10.8

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description. R - REVISED

PRODUCER PRICE INDEXES

1967 = 100

	81	82	JAN.	FEB.	MARCH	APRIL	Annual Rate Y-T-D 1982	% Change From Same Period Last Year
Pulp, Paper and Products except Building Grades	270.8	273.2	269.1	269.0	269.1	268.8	269.0	-2.6
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	272.4	275.9	271.7	271.6	271.7	271.4	271.6	-2.6
Total Wood Pulp	397.1	379.1	350.5	349.5	346.7	344.5	347.8	-14.2
Total Paper	279.8	286.3	279.8	279.1	278.6	278.7	279.1	-3.6
Total Paper, exc. Newsprint	271.1	278.3	274.1	273.2	272.5	272.7	273.1	-3.0
Newsprint	307.5	315.8	300.7	299.1	299.1	299.1	299.5	-6.0
Total Paperboard	258.1	254.9	243.6	244.0	246.6	248.4	245.7	-5.8
Total Paper and Paperboard #	273.1	276.5	268.4	268.1	268.6	269.2	268.6	-4.3
Converted Products	258.8	264.4	265.0	265.1	265.2	264.5	265.0	0.2
Waste Paper	175.7	121.1	116.0	116.0	116.0	116.0	116.0	-11.0
All Commodities	293.4	299.3	300.0	301.2	300.5	300.8	300.6	0.8
Industrial Commodities	304.1	312.3	314.0	314.4	313.4	312.6	313.6	0.8

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

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Division of the API's Paper Group made a small revision in their 1982 data. In both instances the 1983 monthly production of these grades were revised to reflect the effects of the 1982 revisions. The revisions for 1983 had only a small effect on this year's first quarter figures on paper and paperboard production. However, the 1982 data now show paper and paperboard production at 59.5 million tons, about 0.3% below the previously reported total. The monthly data, by grade, for 1982 are available upon request from the API's Economic Department.

Imports/Exports and New Supply

Imports of pulp, paper and paperboard showed more than their usual seasonal strength in March, rising sharply above the February level. Imports of total paper, paperboard and products, for example, including the construction and wet machine board grades, amounted to 789,000 tons in March, 42% above the February level; last year the gain was 17%. Thus, the March 1983 total was 10.1% ahead of the March 1982 total, with the first quarter 1983 total 1½% ahead of the comparable 1982 level.

There was a particularly strong gain in imports of construction paper and board, probably reflecting the strength in the housing market. The first quarter rate, at 459,000 tons per year, was 122% ahead of its comparable 1982 level.

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Imports of primary paper and paperboard, at an annual rate of 7.65 million tons, were 1.7% below that of the comparable 1982 period in the first quarter of 1983. Newsprint imports, at 6.4 million tons were down 7%. For 1982 as a whole, newsprint imports amounted to 6.53 million tons. The decline in newsprint imports was consistent with the pattern of domestic newsprint production, reflecting in part, as noted above, the effects of inventory reductions of newsprint.

There were sizeable gains in imports of the printing and writing papers. Total printing and writing paper imports were at the rate of 894,000 tons per year, 35% ahead of their comparable 1982 total. The major gains were in uncoated groundwood paper and coated and impregnated printing papers. However, where the uncoated groundwood paper imports, at 585,000 tons per year, accounted for 30% of the total new supply, the coated paper imports, at 108,000 tons per year, were only about 2% of the total new supply.

Imports of packaging and other papers were also up sharply, although at about 99,000 tons a year, they too, were less than 2% of the total new supply. Similarly, imports of paperboard in the first quarter of 1983 were up 62%, although the 145,000 tons per year rate was only 0.5% of the 28 million tons per year rate of total paperboard new supply.

Wood pulp imports also rose sharply from February to March 1983; last year there was a slight decline in the March level of wood pulp imports relative to that of February. Nonetheless, for the 1983 quarter as a whole, wood pulp imports were only 4% ahead of the comparable 1982 total.

Exports of paper and paperboard declined about 5% from February to March, but the quarterly total for primary paper plus paperboard was 3.7% ahead of the comparable 1982 level.

The total first quarter 1983 new supply of paper, paperboard and products (excluding the construction grades) was at the rate of 65.8 million tons per year. This was 1.7% ahead of the first quarter 1982 and 4.6% ahead of the average for 1982 as a whole.

The Department of Commerce recently reduced the level of the real gross national product for the first quarter of 1983. As a result, the first quarter 1983 ratio of new supply to real GNP now amounts to approximately 44,300 tons per billion dollars. This was above both the 1980 and 1981 average levels, but below

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the annual totals for the years 1976-1979. Similarly, the new supply rate was above the annual 1980 and 1981 levels, but below the record-high 66.4 million tons reached in 1979.

Fibrous Raw Materials

Total wood pulp production (excluding defibrated and exploded wood pulp and screenings) as reported by the American Paper Institute was 0.4% ahead of its year-ago level in the first quarter of 1983. The first quarter annual rate of 51.5 million tons was 4% ahead of the 49.4 million tons produced in all of 1982, but below the 52 million tons produced in 1981. One of the reasons for this lower increase in wood pulp production relative to paper and paperboard production was the experience in the dissolving pulp sector. Dissolving pulp production, used outside the paper industry for such products as rayon, acetate, cellophane and explosives, was down by 3.3%, although here too the first quarter rate was above that for 1982 as a whole. The greatest strength among the wood pulp grades was in paper grade chemical pulps, where production in the first quarter of 1983 was 1.2% ahead of the year-ago level. In addition, imports of these grades of wood pulp were up 5%, and the total new supply showed a 1.6% gain.

Production of market pulp was also up, with the total showing a 1.2% gain and the paper grade chemical pulps a 2.2% gain. Although total pulp imports as reported by the Bureau of Census were up, the market pulp imports (which exclude the tied pulp coming from Canada) were down by nearly 3%, and the total market new supply down by 1.4%.

API data on total shipments of chemical paper grade market pulp in the U.S. show the first quarter 1983 total 5% ahead of the year-ago level, with shipments to the domestic market up 6% and exports up about 4%. Exports of market pulp to Western Europe and United Kingdom declined 6%, but this was offset by gains in shipments to Japan and the rest of the world.

API estimates of total consumption of fibrous materials at paper and board mills show wood pulp consumption in the first quarter of 1983 up less than 1%, but waste paper consumption up about 4%. The gain in waste paper consumption was accompanied by a sharp decline in inventories at paper and board mills: the level at the end of March 1983 was 22% below that of a year-ago. Inventories of market pulp at paper and board mills, by way of contrast, showed a 12% gain in this period, while market pulp inventories at pulp mills held flat.

A2500-2

Paper
Paperboard
& Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. - No.

Paper and Paperboard Production: Again Moving Upward

Until May the current recovery in paper and paperboard demand had been something of a stop-and-go affair, with production strong in January and somewhat weaker in the February-April period.

Production broke out of the top side of that range in May. The trend level (two months seasonal adjusting moving average) was at 62.8 million tons per year, compared with 61.9 million tons per year during the January-April period. Production in May, at 5,541,000 tons represented the second highest monthly total, exceeded only by the 5,595,000 tons produced in March, 1981.

Preliminary data suggest that production in June is holding fairly close to the May rates. On the basis of this trend, total production in the first half of 1983, at the rate of about 62.4 million tons per year, would be within 1% of the record-high first half of 1981 rate.

Even more significant is the fact that the strength in production during the second quarter of the year may well be a forerunner of a strong second half. This is what happened in 1979, and to a lesser extent in 1981. In 1980 and 1982, by way of contrast, the second quarter production fell below the first quarter rate and production in the second half of those years tended to be relatively weak.

The strength in production has been fairly well spread throughout the grade structure. While year-to-date comparisons with 1982 levels may exaggerate the strength of the demand trend, inasmuch as the rate of production in the second quarter of 1982 moved sharply down from the first quarter rate, production of both paper and paperboard in the first 5 months of 1983 was about 5% ahead of the comparable 1982 totals.

Within the paper grades the strongest growth trends continued in the printing/writing grades. Total shipments of printing/writing papers in the first five months of 1983, as shown in the table on Page 3, was 8.2% ahead of the comparable 1982 level and marked a record-high total. The annual rate, at 16.9 million tons, compared with the 15.6 million tons produced in all of 1982 and 15.7 million tons in 1981. The printing/writing grades were the least affected by the 1982 recession.

Continued on Page 2

Continued from Page 1

Within the printing/writing sector, uncoated free sheet papers and coated papers showed particular strength, with both these grades running more than 9% ahead of their year-ago rates. Further, new orders for coated paper in the first five months of the year were 13% over year-ago levels; uncoated free sheet new orders gained 14%. In both instances, the order rate was above the shipment rate and the backlog of unfilled orders moved sharply upward. A major part of the coated papers is the publication grades used in magazines; as shown on the Industry Data Sheet, magazine advertising pages so far in 1983 were well above their comparable 1982 level. Major sectors of the uncoated free sheet papers include office copy papers and form bond papers. Demand for office copy papers is sensitive to the level of business activity, which now appears to be moving strongly upward, while the demand for form bond papers is also influenced by the still-growing trend in the use of computers.

Commercial printers are also major users of uncoated free sheet papers, buying a great deal of their paper through paper wholesalers. The Industry Data Sheet shows that the paper wholesaler's sales in the first four months of 1983 were well above their comparable year-ago level. While these are reported in current dollar terms, the increase in the tonnage volume of paper merchant's sales may have been greater than the increase in dollar sales.

Demand for packaging and industrial papers was also above year-ago levels, with most of the strength concentrated in the "other paper" production. This includes the specialty packaging and industrial grades.

The largest non-industrial sector of the paper industry is tissue paper, largely used for sanitary paper products. Production of these grades was at an annual rate of 4.7 million tons in the first five months of 1983, 5.7% over the comparable 1982 total. This compares well also with the record-high 4.5 million tons produced in 1979 and 1981.

Paperboard production, as noted earlier, was about 5% over year-ago rate. Among the paperboard grades, the major strength has been in containerboard production for domestic use, which gained 5.4%, and paperboard production for export, up 8.5%. The data are shown in the lower panel of the table on Page 3.

Nearly all the containerboard produced for the domestic market is used to manufacture corrugated shipping containers (fibre boxes). The Fibre Box Association reported that the rate of fibre box shipments in April and May moved sharply above its first quarter levels, with the May total about 11% over the volume shipped in May 1982. For January-May as a whole, fibre box shipments were 4.4% over their comparable 1982 total.

Continued on Page 10

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

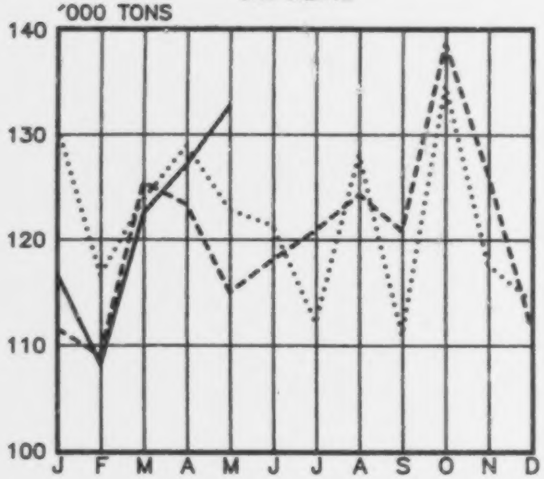
	YEAR		FEB.	MARCH	APRIL	MAY	Annual Rate Y-T-D	% Change From same Period Last Year
	81	82	83	83	83	83	83	
PAPER					R	P		
Newsprint - Production	5239	5042	417	448	401	440	5159	-2.2
- Shipments	5220	4988	386	434	389	445	4973	-3.4
Printing & Writing	15722	15643	1300	1482	1428	1443	16867	8.2
Groundwood Paper - Shipments	1463	1459	108	123	127	133	1458	3.1
- New Orders	1449	1469	103	128	122	132	1463	-0.8
- Unfilled Orders	100	91	100	106	101	100	100	-2.9
Coated Paper - Shipments	4940	5032	427	460	447	462	5369	8.3
- New Orders	4853	4998	412	499	439	504	5516	13.0
- Unfilled Orders	360	325	307	342	332	380	380	14.0
Unctd Free Sheet - Shipments	7898	7847	655	773	730	733	8634	9.2
- New Orders	7735	7820	686	833	742	748	8908	13.9
- Unfilled Orders	370	321	342	399	424	439	439	37.3
Thin Paper - Shipments	336	323	27	32	28	28	339	1.4
Cotton Fiber Paper - Shipments	125	118	10	11	10	12	127	1.7
Bleached Bristols - Production	960	865	74	84	85	76	940	5.5
Tissue Paper - Production	4518	4438	374	399	396	405	4708	5.7
Total Packaging & Other Paper *	5552	5300	445	488	440	486	5488	2.1
Unbl. Kraft Paper - Shipments	3880	3688	308	316	291	304	3717	-0.4
Other Paper - Production *	1672	1612	137	152	149	162	1771	7.6
TOTAL PAPER-Production-Unadj.	31030	30422	2535	2796	2664	2754	32223	5.0
-Production-S.A.			2647	2592	2648	2666	31801	5.0
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	24231	22589	1831	2120	2039	2171	24365	4.8
Unbl. Kraft Linerboard (1)	14540	13494	1107	1298	1234	1318	14788	7.1
Production for Export	1887	1931	156	184	184	203	2207	10.6
Other Unbl. Kraft Paperboard	1062	1040	75	82	90	95	1040	-7.0
Semichemical Paperboard	4719	4389	347	393	385	415	4614	2.6
Production for Export	155	185	17	17	19	20	215	13.2
Solid Bleached Paperboard	3810	3665	303	337	330	342	3923	2.7
Production for Export	557	525	48	42	46	44	553	-0.5
Recycled Paperboard	7001	6476	553	624	570	617	7063	5.2
Production for Export	24	13	1	1	1	1	15	2.3
TOTAL PAPERBOARD-Prod.-Unadj.	31232	29065	2385	2744	2609	2787	31428	4.9
- Containerboard Prod.(Dom. Use)	18040	17508	1431	1644	1563	1671	18856	5.4
- Boxboard Prod.(Dom. Use) (2)	5544	5150	419	488	457	475	5501	2.3
- All Other P'bd Prod.(D.U.) (2)	4026	3753	313	357	339	374	4081	3.7
- Total Paperbd Prod. for Export	2622	2654	222	255	250	268	2990	8.5
TOTAL PAPERBOARD PROD. - S.A.			2518	2545	2511	2635	30764	4.9
TOTAL PAPER AND PAPERBOARD Production - actual	62262	59488	4920	5540	5273	5541	63651	5.0
Production - S.A.			5165	5137	5159	5301	62565	4.9

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

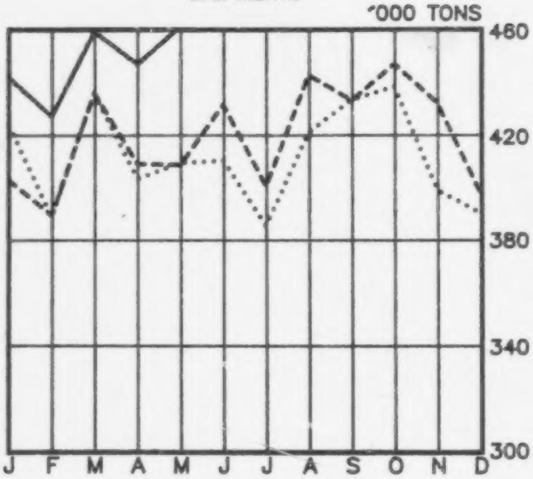
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



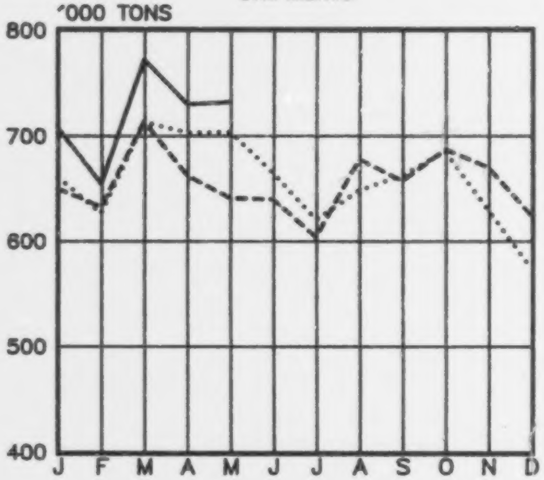
COATED PAPER

SHIPMENTS



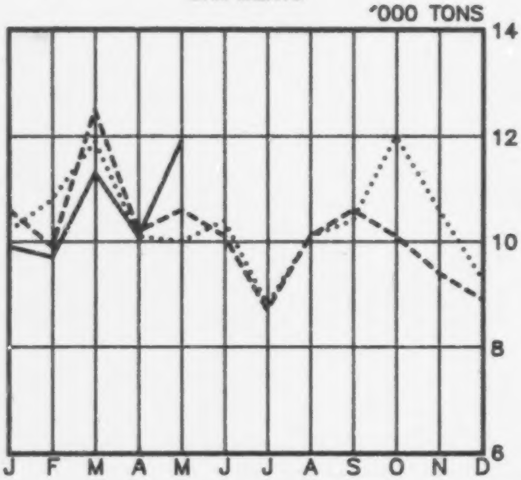
UNCOATED FREE SHEET PAPERS

SHIPMENTS



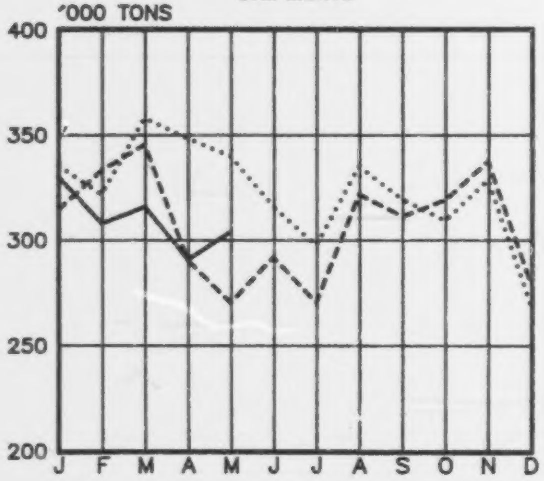
COTTON FIBER PAPER

SHIPMENTS



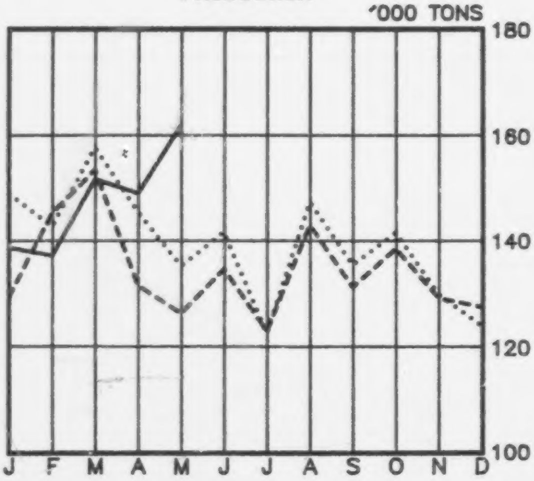
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1981 ········ 1982 - - - - - 1983 ————

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR		JAN.	FEB.	MARCH	APRIL	Annual Rate Y-T-D	% Change From same Period Last Year
	81	82	83	83	83	83	83	
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	52041	49367	4247	4047	4566	4280	51419	0.7
- Imports	4087	3656	308	266	338	301	3640	2.6
- Exports	3678	3395	234	271	332	346	3548	2.0
- New Supply	52450	49628	4323	4041	4571	4235	51511	0.7
Dissolving Pulp - Production	1353	1092	88	112	112	95	1225	-2.3
- Imports	249	186	25	10	21	14	209	-7.1
- Exports	784	631	59	30	58	78	679	10.2
- New Supply	818	647	54	92	76	31	754	-12.4
Paper Grades Chemical Pulp - Production	41445	39478	3403	3226	3691	3477	41391	1.5
- Imports	3655	3302	274	242	305	269	3270	3.1
- Exports	2870	2736	171	236	272	263	2826	-0.6
- New Supply	42230	40044	3506	3232	3724	3483	41834	1.8
Groundwood and Thermo-Mech. - Production	5320	5097	431	417	442	393	5050	-2.9
- Imports	183	167	11	14	11	18	162	8.0
- Exports	24	27	3	4	3	4	43	129.8
- New Supply	5478	5237	439	427	450	407	5169	-3.1
Semi-Chemical - Production	3924	3699	325	291	321	314	3754	-2.8
- Imports	0	0						
- Exports	0	0	------ Included	with	Groundwood	Pulp ------		
- New Supply	3924	3699	325	291	321	314	3754	-2.9
MARKET WOOD PULP								
Total Market Wood Pulp - Production	6210	5732	445	488	577	537	6140	2.1
- Imports	2924	2443	203	209	229	209	2548	-3.5
- Exports	3352	3143	221	256	327	285	3267	2.7
- New Supply	5782	5031	427	441	479	461	5421	-0.9
Dissolving Pulp - Production	1352	1089	88	112	112	96	1225	-2.1
- Imports	241	194	24	10	22	11	203	0.4
- Exports	787	675	46	60	75	52	697	0.9
- New Supply	806	608	66	63	60	55	732	-4.2
Paper Grades Chemical Pulp - Production	4857	4578	356	374	464	440	4903	4.2
- Imports	2634	2202	178	198	205	194	2323	-2.8
- Exports	2555	2404	175	196	252	234	2571	5.6
- New Supply	4936	4377	359	376	417	400	4656	-0.1
Groundwood Pulp and All Other - Production	2	65	1	1	1	1	12	-79.2
- Imports	49	46	0	1	1	5	22	-54.1
- Exports	10	64	0	0	0	0	0	0.0
- New Supply	40	46	1	2	2	6	34	-28.2

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

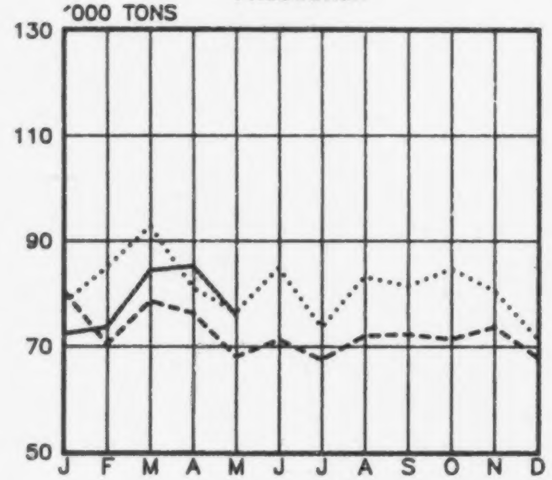
FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	64573	61679	5378	4985	5639	5301	63942	1.3
Total Wood Pulp	50638	48154	4201	3889	4388	4137	49848	0.7
Waste Paper	13875	13525	1177	1106	1251	1164	14094	3.8
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	188	177	186	182	193	198	198	-3.2
Market Pulp at Pulp Mills	393	437	424	422	407	429	429	0.8
Mkt Pulp at Ppr. & Bd. Mills *	454	492	472	487	535	518	518	22.2
Waste Paper at Paper &Bd. Mills	1211	1017	931	858	851	828	828	-19.3
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	33	37	35	35	31	31	31	-3.1

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

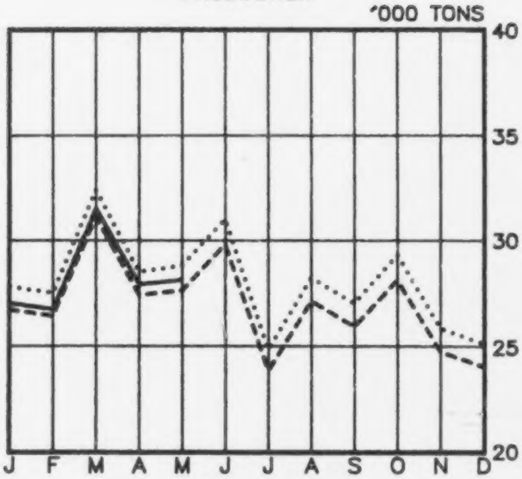
BLEACHED BRISTOLS

PRODUCTION



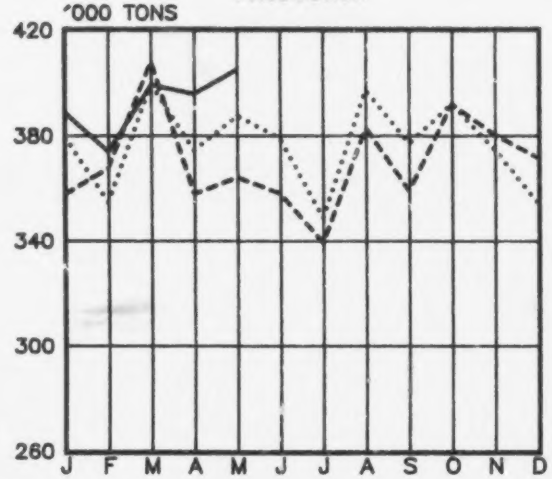
THIN PAPER

PRODUCTION



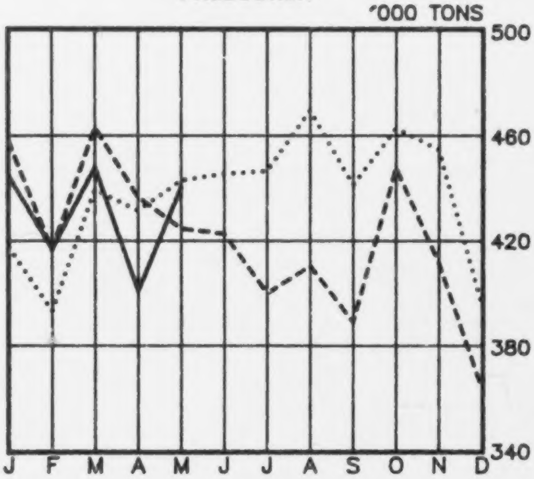
TISSUE PAPER

PRODUCTION



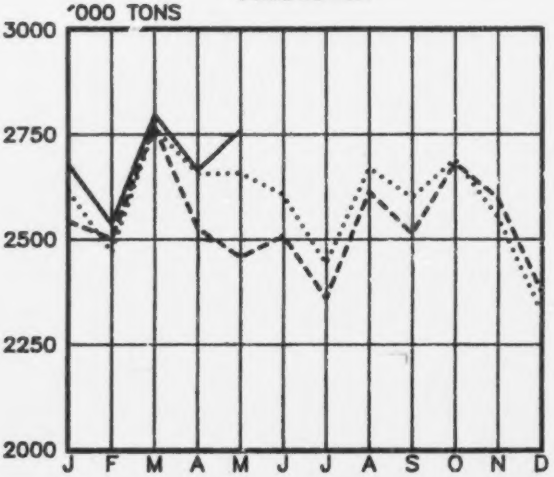
NEWSPRINT

PRODUCTION



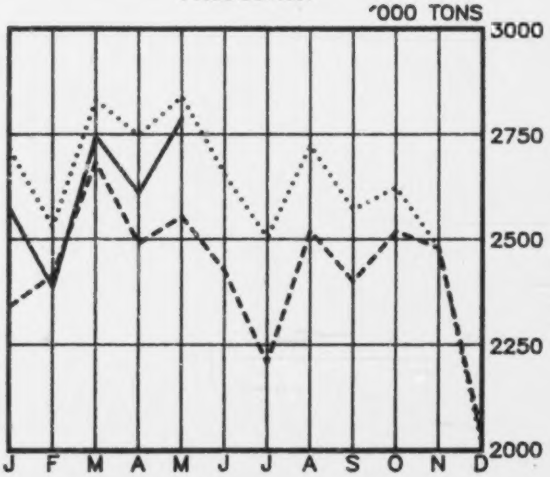
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1981 ······· 1982 - - - - 1983 ———

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic foot) Cords)

		YEAR 81	YEAR 82	JAN. 83	FEB. 83	MARCH 83	APRIL 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	79547	78519	6928	6525	7051	6770	81816	6.4
	- Total Consumpt.	78747	79156	6895	6771	7360	7162	84864	5.8
	- Residues *	30590	31152	2558	2524	2777	2727	31758	8.4
	- Inventories	6045	5426	5613	5387	5109	4779	4779	-5.8
So. Atlantic	- Total Receipts	24681	23769	2084	1821	2138	2242	25155	6.8
	- Total Consumpt	24815	23842	2138	2072	2258	2252	26154	9.1
	- Residues *	8770	8273	652	609	646	658	7695	-5.0
	- Inventories	1051	1185	1155	1012	903	892	892	0.3
Northeast	- Total Receipts	7803	7283	646	590	563	468	6801	-8.5
	- Total Consumpt	7712	7221	653	602	627	631	7539	-1.1
	- Residues *	1362	1452	92	93	118	95	1194	-10.2
	- Inventories	635	652	693	710	656	493	493	-13.2
South Central	- Total Receipts	27744	26510	2355	2155	2538	2328	28122	6.2
	- Total Consumpt	27687	27153	2347	2244	2570	2344	28515	2.2
	- Residues *	8823	8616	750	884	809	787	8870	8.1
	- Inventories	1825	1346	1469	1360	1330	1306	1306	-6.2
North Central	- Total Receipts	5650	5601	634	800	472	396	6306	19.2
	- Total Consumpt	5708	5706	544	503	558	514	6357	12.7
	- Residues *	1438	1517	152	172	158	126	1824	51.2
	- Inventories	1106	825	1001	1080	988	874	874	-8.4
West	- Total Receipts	13669	15356	1207	1259	1342	1336	15432	9.1
	- Total Consumpt	13825	15234	1315	1350	1347	1421	16299	6.6
	- Residues *	10088	11284	912	986	1046	1081	12075	19.5
	- Inventories	1428	1338	1285	1235	1232	1214	1214	-4.4

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 82 Tons	YEAR 82 $000	MARCH 83 Tons	MARCH 83 $000	APRIL 83 Tons	APRIL 83 $000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	87043	4711	6782	282	4734	197	81141	-29.2
Pulpwood Chips	1678793	51374	210882	5238	172913	4336	2007315	8.9
Wood Pulp, Total	3364194	1386688	326401	118925	289701	104476	3438051	8.1
Waste Fibrous Materials, Total	129749	23299	11777	2160	10547	1675	126745	8.4
Paper, Board & Products, Total	7707948	3272224	748493	293735	646207	259162	7661647	1.5
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	7665499	3201221	743430	284496	642233	250877	7615951	1.4
Paper Paperboard & Products	7327112	3192595	698947	283070	607980	250836	7231054	-1.6
Paper & Paperboard, Only	7284663	3121592	693884	273830	604005	242651	7185357	-1.7
Paper, Total	7171243	3093475	678329	269911	587117	238710	7030211	-2.7
Newsprint	6484605	2730256	612724	236351	526754	208646	6336960	-4.3
Printing, Writing & Rel.Pap.	612760	310154	56547	27651	51154	24588	604886	15.3
Pack. & Ind. Conv. Paper	66300	46060	7886	4816	7568	4074	77760	14.4
Special Industrial Paper	1899	3123	318	523	263	416	2539	121.8
Tissue Paper	5680	3882	855	571	1379	987	8067	73.6
Paperboard, Total	113420	28117	15555	3920	16888	3941	155146	79.9
Convtd Paper&Paperbd Products	42449	71003	5063	9239	3875	8284	45697	14.8
Wet Machine Board	1302	737	266	158	293	176	2980	238.5
Construction Paper & Board	378533	78892	49280	10508	37835	8050	427613	115.4

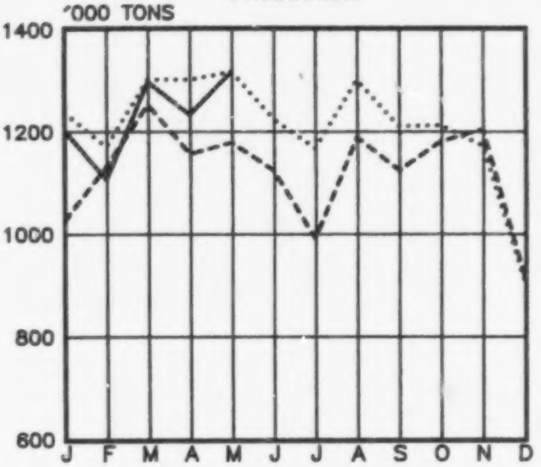
EXPORTS TO CANADA

	YEAR 82 Tons	YEAR 82 $000	MARCH 83 Tons	MARCH 83 $000	APRIL 83 Tons	APRIL 83 $000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	107700	7263	1454	71	3960	268	44946	-35.7
Pulpwood Chips	27650	1500	2021	107	3700	219	24846	4.4
Wood Pulp, Total	116067	54691	14626	5442	11901	5063	143406	22.9
Cotton Pulp & Other Pulp	6790	4151	635	405	638	408	7425	9.2
Waste Paper	271395	32555	27014	2865	32522	3457	315513	26.7
Paper, Board & Products, Total	583206	442435	61755	42804	50028	37362	644498	25.2
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	383568	275106	42253	26735	33589	24185	442772	17.4
Paper, Paperboard & Products	561355	433687	58360	41810	47869	36470	613688	24.1
Paper & Paperboard, Only	361716	266358	38858	25544	31430	23293	411981	15.4
Paper, Total	188371	185813	24559	18676	17099	16759	229238	16.2
Newsprint	3037	2671	321	267	347	347	3812	54.0
Printing, Writing & Rel.Pap.	113443	95900	13067	9378	9577	7504	128341	10.8
Pack. & Ind. Conv. Paper	20290	13615	2522	1642	2576	1602	26221	61.8
Special Industrial Paper	47736	70565	8403	7146	4110	6855	66869	12.7
Tissue	3864	3062	245	243	480	351	3896	16.4
Paperboard, Total	173348	80545	14289	6869	14330	6534	182723	14.4
Convtd Paper&Paperbd Products	199638	167329	18502	16065	16440	13176	201727	46.5
Wet Machine Board	4365	2537	849	353	556	293	6936	99.8
Construction Pap & Bd. E	17487	6212	2546	841	1604	599	23875	44.5

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

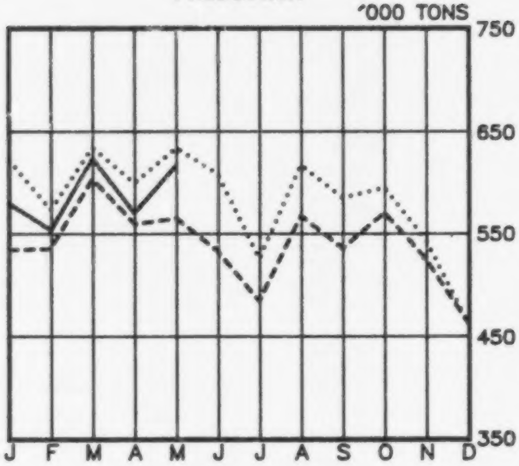
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



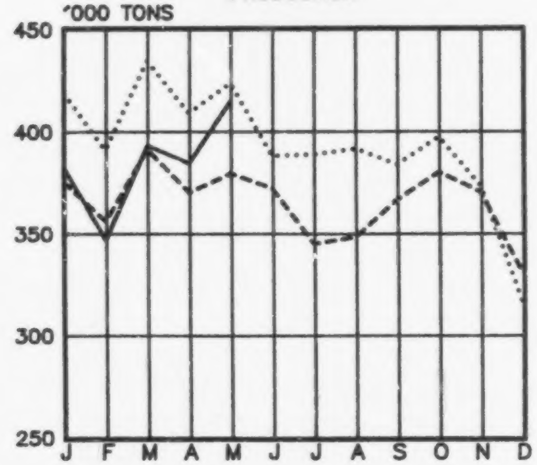
RECYCLED PAPERBOARD

PRODUCTION



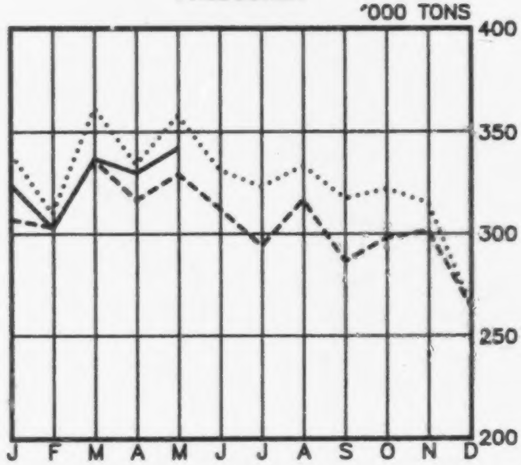
SEMICHEMICAL PAPERBOARD

PRODUCTION



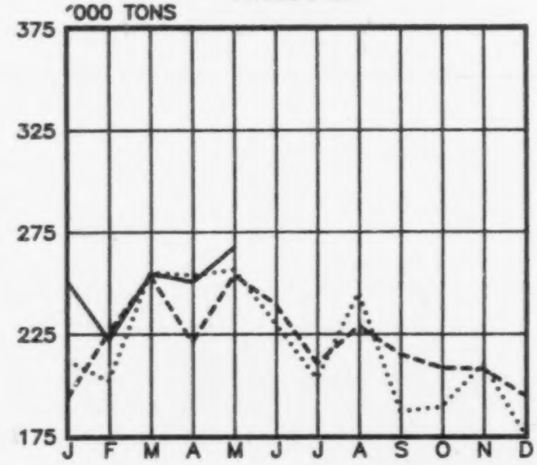
SOLID BLEACHED PAPERBOARD

PRODUCTION



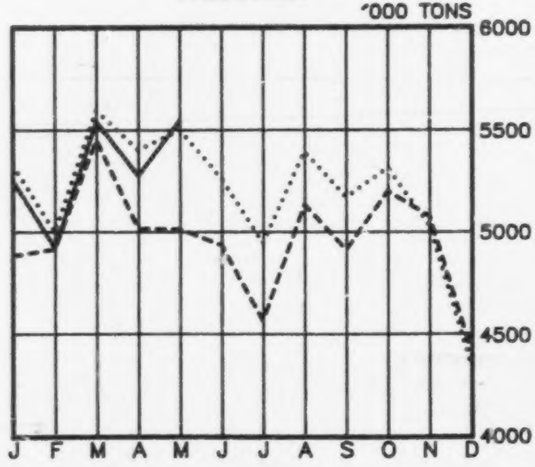
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1981 ········ 1982 ---- 1983 ——

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR	82	MARCH	83	APRIL	83	(1) Annual Rate Y-T-D	% Change From same Period
	Tons	$000	Tons	$000	Tons	$000	83	Last Year
Pulpwood, Roundwood (cords)	87034	4711	6792	292	4734	197	81141	-29.2
Pulpwood Chips	1687226	51776	210896	5240	176902	4432	2019327	9.5
Total All Imports	11822837	5207263	1139795	461442	1010979	421387	11961590	4.2
Wood Pulp, Total	3655966	1493241	337913	122039	300524	107757	3639711	2.6
Waste Paper	74332	9450	6903	743	7532	815	70770	-0.6
Other Fibrous Materials	70088	24212	5744	2280	3575	1405	66007	2.4
Paper, Board & Products, Total	8022452	3680361	789234	336379	699348	311410	8185103	4.9
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	7915863	3342891	777006	301316	687434	273813	8058740	4.5
Paper, Pbd & Prds ex Cnst&WMB	7601094	3592161	735817	324855	657972	302289	7714175	1.9
Paper & Paperboard, Only	7494506	3254691	723589	289792	646058	264702	7587812	1.5
Paper, Total	7379698	3224993	707170	285244	628768	260360	7427248	0.5
Newsprint	6530676	2748652	619958	238540	538397	212325	6407025	-3.8
Printing & Writing	764185	408621	76278	38974	79314	40821	908242	40.6
Uncoated Groundwood	514882	248196	52272	23873	54728	24670	603244	41.0
Uncoated Book	142626	80105	9874	5594	9508	5401	139713	5.2
Coated Print.& Impres. Pap	69010	46763	8798	5833	10141	6681	111146	108.9
Bristols	391	416	38	54	16	20	340	-13.4
Writing and Similar Paper	25883	19295	4228	2567	3768	2515	41060	88.9
Thin (except Cigarette)	11293	13846	1068	1053	1154	1535	12740	26.7
Total Pkg & Other Paper	79009	62478	9980	7082	9823	6139	103045	33.3
Unbleached Kraft Paper	23078	10749	3447	1510	3940	1547	39797	38.0
Other Pkg. & Indust. Paper	54931	51728	6534	5572	5683	4593	63248	30.5
Tissue	6828	5241	854	648	1435	1075	8936	66.0
Paperboard, Total	114808	29698	16420	4548	17290	4341	160564	84.0
Test or Containerboard	35983	8459	5111	1324	7589	1730	51244	121.9
Semi-Chemical Corrugating	47295	9679	6670	1377	6030	1249	63437	88.0
Other Paperboard	31531	11560	4639	1848	3611	1362	45883	50.8
Convtd Paper&Paperbd Products	106589	337470	12228	35063	11914	37597	126363	37.3
Paper Products, Total	92057	306524	10276	30862	9176	30830	102015	24.3
Paperboard Products, Total	14531	30946	1952	4201	2737	6767	24349	143.5
Wet machine Board	1842	1239	292	173	312	193	3323	110.6
Construction Paper & Board	419515	86981	53125	11351	41063	8918	467604	101.6
Notes								
Other: No Weight Avail. ($000)		135275		10414		10014	118872	3.5
Total Imports Incl. Other($000)		5342539		471856		431401	5038877	-5.7

EXPORTS

							(1)	
Pulpwood, Roundwood (cords)	111692	7475	1454	71	3960	268	44946	-37.6
Pulpwood Chips	2860133	231140	224668	14909	281981	19439	2600856	-15.2
Total All Exports	9872299	4312528	903652	358739	941033	373618	10433097	6.8
Wood Pulp, Total	3394240	1414434	332456	121010	345685	130829	3547947	2.0
Cotton Pulp and Other Pulp	104560	72326	8336	5622	8260	6271	98766	-5.7
Waste and Old Paper	2127050	238933	207555	23161	195382	21960	2374659	16.6
Paper, Board & Products, Total	4246449	2586836	355305	208946	391706	214559	4411725	6.4
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	3670915	1752166	307632	138554	342762	149031	3853478	5.8
Paper, Pbd & Prod ex Cnst&WMB	4187029	2556461	346032	205487	385915	211230	4340157	6.2
Paper & Paperboard, Only	3611496	1721792	300366	136096	336871	145702	3781911	5.7
Paper, Total	840772	677706	72371	53361	61366	50783	766915	-16.4
Newsprint	307655	142964	22838	9956	23251	10752	280700	-17.1
Printing & Writing	246584	239135	20841	18470	16500	15861	207254	-18.8
Uncoated Groundwood	55913	48430	4129	3572	2302	2171	37816	-38.6
Clay Coated Paper	81368	65485	7927	5602	7175	5071	81744	3.9
Uncoated Free Sheet	70587	75451	5417	5244	5366	6232	62919	-15.0
Other Printing & Writing	38716	49769	3368	4051	1657	2387	24974	-43.1
Total Pkg. & Other Paper	263228	270192	27020	22884	20047	22277	281985	-12.1
Unbleached Kraft	89063	38003	9141	2878	9184	3628	133201	43.1
Other Pkg. & Indust. Paper	174165	232190	17879	20006	10863	18649	148784	-34.7
Tissue	23306	25415	1673	2051	1568	1894	16975	-31.2
Paperboard, Total	2770723	1044086	227995	82735	275505	94919	3014996	13.3
Solid Wood Pulp	2621486	973072	215872	76181	265380	89655	2879980	14.0
Total Linerboard	1886187	542302	148594	36780	200469	50511	2086083	21.0
Bleached Kraft Linerboard	67595	26625	7470	3012	12375	5197	115016	88.4
Unbleached Kraft Linerbd	1818593	515676	141124	33768	188094	45314	1971067	18.5
Other Unbleached Kraft	139215	60780	9775	5141	7310	4155	122465	-32.9
Other Bleached Kraft	534663	351875	47972	32325	48448	33475	563749	3.5
Semi-Chemical Corrugating	61420	18116	9531	1935	9153	1914	107683	45.7
Recycled Paperboard	149238	71014	12124	6554	10125	5264	135017	-0.2
Convtd Paper&Paperbd Products	575534	834669	47674	69392	48944	65528	558246	9.8
Paper Products, Total	315736	591158	27428	51262	25654	46141	302720	-4.2
Paperboard Products, Total	259798	243512	20245	14130	23291	19387	255527	32.7
Wet Machine Board	11088	5938	1620	658	1382	570	15618	94.5
Construction Paper & Board E	48332	24437	5646	2800	4509	2759	55949	5.3
Notes								
Other: No Weight Avail. ($000)		8989		867		570	6547	-28.5
Total Exports Incl. Other($000)		4321517		359406		374188	4088949	-5.4

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES

1967 = 100

	81	82	FEB.	MARCH	APRIL	MAY	Annual Rate Y-T-D 1982	% Change From Same Period Last Year
Pulp, Paper and Products except Building Grades	270.8	273.2	268.0	269.1	268.8	288.1	269.0	-2.5
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	272.4	275.8	271.6	271.7	271.4	271.7	271.6	-2.5
Total Wood Pulp	397.1	379.1	349.5	346.7	344.5	345.8	346.8	-14.0
Total Paper	279.8	286.3	279.1	278.6	278.7	279.1	278.0	-3.6
Total Paper, exc. Newsprint	271.1	278.3	273.2	272.5	272.7	273.6	273.2	-2.7
Newsprint	307.5	315.8	299.1	299.1	299.1	298.1	298.1	-6.3
Total Paperboard	258.1	254.9	244.0	246.6	248.4	248.9	246.2	-5.5
Total Paper and Paperboard #	273.1	276.5	268.1	268.6	269.2	269.6	268.7	-4.1
Converted Products	258.8	264.4	265.1	265.2	264.5	284.5	264.9	0.2
Waste Paper	175.7	121.1	116.0	116.0	116.0	116.0	116.0	-9.8
All Commodities	293.4	299.3	301.2	300.5	300.8	301.7	300.8	0.8
Industrial Commodities	304.1	312.3	314.4	313.4	312.6	313.8	313.6	0.9

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Continued from Page 2

Adjusted for seasonal/workday factors, the rate of box shipments in the first five months of 1983 was about 244 billion square feet per year, which compares well with the record-high rates of shipments during the 1978-1981 period, which ranged from 241 billion produced in 1980 to 251 billion produced in 1979.

Production of boxboard for domestic use has shown a somewhat weaker trend, rising only 2.3% from its year-earlier total. However, the annual rate of production, at 5.50 million tons, nearly matched the average for all of 1981 and was well above the 5.15 million tons produced in 1982.

The strength in production of paperboard for export evident earlier this year continued through April and May. Most of this strength was concentrated in exports of unbleached kraft paperboard, which were up 10.6% from their corresponding 1982 level. Production of semi-chemical paperboard for export showed an even stronger percentage growth, up 13.2%, but the volume was only 215,000 tons per year. Exports of solid bleached paperboard, at 553,000 tons per year, were a shade below their year-ago rate. Total paperboard exports, at 2.99 million tons per year, were topped only by the 3.3 million tons exported in 1980, when the demand from the People's Republic of China spirited.

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Expenditures for New Plant and Equipment

The Department of Commerce has recently published new data on expenditures for new plant and equipment by U.S. and non-farm business. The Department of Commerce now says that paper industry companies will spend $6.03 billion in 1983 for new plant and equipment. This is 1% higher than the $5.97 billion spent in 1982 but 10% below the 1980-1981 record-highs.

The $6.03 billion estimate for 1983 was about 1% below the earlier official estimate. The lowering of outlays was prevalent; total non-farm business expenditures on new plant and equipment which had originally been estimated to show a decline of 1.7% from 1982 to 1983, now showed a 3.4% decline. For all manufacturing the revision was from a 3.2% decline to a 5.8% decline, while for the non-durable goods industries as a whole their estimates moved down from a 2.4% decline to a 3.8% drop,.

There was, however, one major change in the Department of Commerce analysis of plant and equipment expenditures this year; price movements accounted for a significant part of the lower figures being reported. In its earlier reports, the Department had expected an increase in the average price of plant and equipment of 2.2%; it is now 0.4%. For the paper industry, we estimate that the 1% increase in capital expenditures will translate into a 1.5% increase in real terms.

The Department of Commerce also reported data on starts of new plant and equipment projects, and the carryover of expenditures committed but not yet spent. Starts of new plant and equipment projects by paper and allied products companies in the first quarter of 1983 amounted to $1.59 billion, a shade higher than the quarterly average for all of 1982. The carryover increased from $6.36 billion at the end of 1982 to $6.44 billion at the end of March 1983.

Imports/Exports and New Supply

Both imports and exports of paper, paperboard and products in April showed a somewhat stronger than seasonal trend. Imports at $658 million, showed a less than usual decline from the March level and were above the totals for January and February. Exports, at $386 million, were better than 10% above the March level and at a new high for the year.

For the entire January-April period, new supply of paper and paperboard was at a rate of 66.1 million tons per year. This compares with the 62.9 million tons of new supply for all of 1982 and 65.6 million tons for 1981. The record-high was 1979, when new supply amounted to 66.4 million tons. In that year, however, imports accounted for a larger share of the new supply. Production was about 1.4 million tons below the production rate of the January-April 1983 period, but imports totalled 8.7 million tons compared to the 7.7 million tons per year rate of the 1983 period. Exports were only 3.6 million tons per year, compared to the 4.3 million tons per year rate for the 1983 period.

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If current trends in production, imports and exports hold to the end of the quarter,• the total new supply of paper, paperboard and products in the first half of the year would be about 66 million tons per year, almost matching the 1979 record-high. At this rate, the new supply would be equivalent to about 44,000 tons per billion dollars of the real GNP, compared to the 44,700 tons per billion dollars of real GNP average for the 1977-1979 period.

The increase in both the production and new supply of paper and paperboard from the first four months of 1982 to the first four months of 1983 also compares quite favorably with that of total industrial production. Where total manufacturing output in the first four months of 1983 barely matched its year-ago total, both production and new supply of paper and paperboard showed sizeable gains.

This comparison is detailed on the Industry Data Sheet. New supply of paper, as shown there, gained an estimated 4.8% in the first five months of 1983 over the comparable 1982 level, while the proxy for paper demand, which is an average of indexes of production of non-durable goods, disposable income and total printing and publishing activity, each weighted according to its relative importance to the paper industry, showed only a 0.9% gain. Similarly, the production of paperboard for domestic use gained 4.5%, compared to a 1.1% increase in the composite index of consumer goods, equipment and materials output, weighted according to their relative use of paperboard. Comparisons with 1982 may result in a somewhat exaggerated strength of the current trend.

Market Wood Pulp

The market wood pulp sector of the paper industry continues to follow a fairly strong trend. Total production of chemical paper grade market pulp in the first four months of 1983, at 4.9 million tons per year, was 4.2% ahead of its comparable 1982 level. This increase largely reflected a gain in export demand: exports in the first four months of the year were at an annual rate of 2.57 million tons, 5.6% over their comparable 1982 level. The increase in export demand reflected relatively large increases in shipments to Japan and the countries outside Western Europe; shipments to Western Europe were up about 1%.

New supply of chemical paper grade market pulp in the first four months of 1983, at 4.66 million tons per year, just about matched its comparable year-earlier rate, but was below the 1981 new supply total of 4.9 million tons. In view of the relatively strong increase in printing/writing paper production, normally a good indicator of the domestic demand for market pulp, the 1983 market pulp pattern suggests some shift in domestic use of market pulp, with integrated pulp replacing domestic market pulp.

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INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

JUNE 24, 1983

PRODUCTION (000 TONS)

	May 83	April 83	May 82	Jan - May 83	Jan - May 82	% Change 83/82
PAPER GRADES	P	R				
Newsprint	440	401	424	2150	2198	-2.2
Printing & Writing	1443	1428	1270	7028	6493	8.2
Uncoated Groundwood (s)	133	127	116	608	590	3.1
Coated Paper (s)	462	447	409	2237	2046	9.3
Uncoated Free Sheet Paper (s)	733	730	639	3598	3295	9.2
Thin Paper (s)	28	28	28	141	139	1.4
Cotton Fiber Paper (s)	12	10	10	53	52	1.7
Bleached Bristols (s)	76	85	68	392	371	5.5
Tissue Paper	405	396	364	1962	1855	5.7
Total Pkg & Other Paper	466	440	397	2287	2241	2.1
Unbleached Kraft Packaging & Indl. Converting (s)	304	291	271	1549	1555	-0.4
Other Paper *	162	149	126	738	686	7.6
TOTAL PAPER	2754	2664	2455	13426	12787	5.0
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1414	1325	1280	6595	6219	6.1
Unbleached Kraft Linerboard	1318	1234	1180	6162	5753	7.1
Other Unbl. Kraft Paperboard	95	90	100	433	466	-7.0
Semichemical Paperboard	415	385	380	1923	1873	2.6
Bleached Paperboard	342	330	329	1634	1591	2.7
Recycled Paperboard	617	570	565	2943	2799	5.2
TOTAL PAPERBOARD	2787	2609	2554	13095	12482	4.9
TOTAL PAPER AND PAPERBOARD	5541	5273	5009	26521	25269	5.0

WOOD PULP (ALL GRADES)	April 83	March 83	April 82	Jan - April 83	Jan - April 82	% Change 83/82
Dissolving & Special Alpha	95	112	95	408	418	-2.3
Bleached Sulfite	108	113	109	432	443	-2.4
Unbleached Sulfite	19	24	25	103	112	-7.9
Bleached & Semi-Bl. Sulfate	1771	1860	1706	6963	6745	3.2
Unbleached Sulfate	1579	1694	1537	6299	6288	0.2
Semichemical	314	321	316	1251	1289	-2.9
Groundwood and Thermomechanical	393	442	419	1683	1734	-2.9
TOTAL PULP DIVISION DATA	4280	4566	4207	17140	17027	0.7

(s) - Shipments
P - Preliminary
R - Revised
* - Revised series based on A.P.I. data.
E - Estimate

June 24, 1983	Full Year		INDUSTRY DATA			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1981	1982	March	April	May		
Total Production (API).......| excluding |...	62262	59488	5540	5273	5541	63651	5.0
Total Seasonally Adjusted....|construction|...			5137	5158	5301	62565	4.9
Imports (including Products).| and wet |..E	7541	7603	736	658	N.A.	7935	2.2
Exports (including Products).| machine |..E	4561	4187	348	386	N.A.	4432	6.4
Apparent Consumption.........| grades |...	63642a	62904b	5525	5431	5636	66068c	+4.5
Paper Production % Tonnage Capacity...........	92.1g	87.7g	90.7	89.3	89.6	90.3gh	-
Paperboard Production % Tonnage Capacity......	90.6g	81.9g	88.6	87.1	90.6	88.0g	-
			February	March	April		
IMPORTS.....|Including Construction and |.....	8339	8024	555	789	698	8185	2.0
EXPORTS.....| WMB Grades (excl. HPB) |.....	4641	4246	374	355	392	4412	3.9
MARKET WOOD PULP PRODUCTION - Tons (000).........	6210	5732	488	577	537	6140	2.1
TOTAL WOOD PULP PRODUCTION - Tons (000)..(P)....	52041	49367	4047	4566	4280	51419	0.7
WOOD PULP IMPORTS - TONS (000)...................	4087	3656	266	338	301	3640	2.6
WOOD PULP EXPORTS - TONS (000)...................	3678	3395	271	332	346	3548	2.0
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS | excluding |			February	March	April		
Wood Pulp.............|consumption for|.....	50698	48154	3889	4388	4137	49848	0.7
Waste Paper...........|construction & |.....	13875	13525	1106	1251	1164	14094	3.8
TOTAL..........| WMB grades |.....	64573	61679	4995	5639	5301	63942	1.3
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	79747	79156	6771	7360	7162	84864	5.9
EMPLOYMENT (000)			March	April	May		
Paper and Allied Products..........Total......	688.5	662.0	648.9	651.5	654.4	650.0	-2.5
Pulp, Paper and Board Mills.........Total.....E	267.3	257.8	250.5	251.6	253.6	251.9	-2,8
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....................	8.60	9.32	9.67	9.73	9.78	9.70	7.0
Pulp, Paper Mills...........................E	10.05	10.88	11.32	11.38	11.45	11.35	7.9
Paperboard Mills............................E	10.23	11.13	11.73	11.91	11.95	11.76	9.1
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1982 Q3	1982 Q4	1983 Q1		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	6.72	5.97	6.16	5.71	6.02	6.03y	1.0
INDEX OF OUTPUT PER MAN-HOUR (1977=100)..........			March	April	May		
|IN PULP, PAPER |...Production Workers..........	108.2	109.9	119.3	118.8	119.7	119.8	10.0
|AND BOARD MILLS|...All Employees..............	107.5	108.3	117.2	116.9	117.8	117.6	9.5
PAPER AND ALLIED PRODUCTS (Million $)			February	March	April		
Industry Shipments (Dept. of Commerce)*........	79505	76989	6614	6695	7071	81444	2.2
Pulp, Paper and Paperboard*..................	34260	33524	2840	2812	2949	34383	-0.4
Inventories (End of Period) - Total Industry*.	8925	8607	8483	8370	8359	8359	-3.3
Pulp, Paper and Paperboard*..................	3461	3365	3358	3278	3298	3298	-0.6
			1982 Q3	1982 Q4	1983 Q1		
Sales (Corporations Only, FTC).................	62699	60293	14913	14939	N.A.	N.A.	N.A.
Earnings (Corporations Only, FTC)..............	3110	1460	408	198	N.A.	N.A.	N.A.
Depreciation (Corporations Only, FTC)..........	2267	2379	602	595	N.A.	N.A.	N.A.
Net Worth (Corporations Only, FTC).............	26558	26705	26795	26705	N.A.	N.A.	N.A.
PRICE INDEXES (Bureau of Labor Stats)1967=100			March	April	May		
Pulp, Paper & Products, ex. Building Grades...	270.8	273.2	269.1	268.8	269.1	269.0	-2.5
Wood Pulp....................................	397.1	379.1	346.7	344.5	345.8	346.6	-14.0
Waste Paper..................................	175.7	121.1	116.0	116.0	116.0	116.0	-9.8
Paper..	279.8	286.3	278.6	278.7	279.1	279.0	-3.6
Paperboard...................................	258.1	254.9	246.6	248.4	248.9	246.2	-5.5
PAPER DEMAND (INDEXED: 1967=100)			March	April	May		
Total Paper Production *......................	148.3	145.4	148.5	151.7	152.8	151.6	5.0
Paper New Supply *...........................	137.7	135.1	141.4	140.9	144.9	141.2	4.8
Total End - Use Index *.....................	150.3	149.4	151.8	152.6	153.5	151.3	0.9
Production of Nondurable Goods *...(19%)..	164.7	156.1	160.6	163.6	165.1	161.1	3.1
Disposable Income (Constant $) *...(23%)..	154.3	157.5	159.4	159.8	160.1	159.4	1.5
Total Printing and Publishing *...(58%)..	144.0	144.0	145.9	146.1	147.0	144.9	-0.2
Trend Factor	---------------Not Available---------------						
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *.................	137.1	127.6	133.8	132.1	138.5	134.8	4.9
Production for Domestic Use	132.9	122.7	127.7	126.0	131.9	129.0	4.5
Total End - Use Index *....................	149.3	139.5	141.4	143.9	145.3	142.0	1.1
Production of Consumer Goods *...(60.49%)	147.8	142.7	144.5	146.8	148.1	145.3	2.5
Production of Equipment *...(6.62%)	151.8	139.8	133.9	136.8	139.0	135.5	-6.4
Production of Materials *...(32.89%)	151.5	133.7	137.2	140.1	141.5	137.1	-0.1
Trend Factor	---------------Not Available---------------						
NEWSPRINT MARKETS			February	March	April		
Consumption by Publishers - Tons (000).........	11205	11150	846	968	966	11006	1.1
Newspaper Pub. and Printing Empl. Total(000)..	421.9	422.7	414.5	416.0	416.8	415.6	-0.7
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	123182	120752	9126	11585	10915	120809	4.4
WHOLESALERS SALES AND INVENTORIES (Million $)(j)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	23003	22776	1826	2123	1879	23253	3.3
Inventories (End of Period)	1971	1885	1963	1973	1940	1940	-1.1
FIBRE BOX DATA (Fibre Box Association)			March	April	May		
Fibre Box Shipments (Million square feet)......	246152	235185	21923	20426	20777	244145	4.4
Container'bd Inventory at Mill & Plant(000Tons)	2729	2584	2414	2495	2434	2434	-8.9
RETAIL TRADE (Million $)							
Total Retail Sales *..........................	1047118	1074467	93263	94864	96866	1124316	6.1
Nondurable Goods Stores Sales *...............	731201	753568	64103	64397	65216	771338	3.7
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	150.9	138.6	139.9	142.7	144.3	140.5	-0.3
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	293.4	299.3	300.5	300.9	301.7	300.8	0.8
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	272.4	289.1	293.4	295.5	297.1	294.5	3.7
			February	March	April		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	331.7	344.8	340.3	342.6	344.7	344.7	5.1
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billions$).			1982 Q3	1982 Q4	1983 Q1		
G.N.P. or Expenditure - Current $.............	2937.7	3059.3	3088.2	3108.2	3170.6	3170.6	5.8
G.N.P. or Expenditure - 1972 $................	1502.6	1476.9	1481.1	1477.2	1486.7	1486.7	1.1

lb/capita Pap&Papbd	Othr		Totl	Popul(mil)
.a - 572 +	21	=	593	229.8
.b - 543 +	15	=	558	232.0
.c - 567 +	18	=	585	233.0

.E - Last month estimated by API
.e - estimated by API

g - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
j - Census unpublished data; standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter

R - Revised
RS - Revised Series
y - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted

8/8/83
A 2500-2

Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 61 - No. 7 JULY 1983

Paper and Paperboard Production: Up

Preliminary data indicate that paper and paperboard production in the second quarter of 1983 inched ahead of the last previous peak and achieved a new high of 16.21 million tons. (The previous second quarter peak was reached in 1981 and totalled 16.16 million tons.)

Total production in the first half of 1983 was at a seasonally adjusted annual rate of 62.6 million tons per year, 5.6% ahead of the comparable 1982 total. The 1983 first half rate, however, fell about 0.5% below the record reached in the first half of 1981.

Comparison of the 1983 trend with that of 1981 rather than 1982 generally yields a better prospective of the underlying trend of demand for paper and paperboard: in 1982, the production of paper and paperboard moved in a downtrend during the last three quarters of the year; production is now in a cyclical recovery phase so that comparisons with 1982 data tend to exaggerate the basic growth trend. In the industry, for example, the production of paper and paperboard in the second quarter of 1983 was 8% above the comparable 1982 level, but only 0.3% ahead of production in the second quarter of 1981, when activity was in a comparable cyclical uptrend.

The strength in paper and paperboard production in the first half was evident throughout the grade structure. Production of printing/writing papers in the first half of 1983, as shown in the table on page 3, was 8.7% above the relatively good performance in the 1982 period.

Uncoated free sheet paper output was 9.8% above its comparable 1982 total, and 6% ahead of its first half 1981 record-high. The major gains were in bond and similar papers, used largely for office copy and computer printouts.

Production of coated papers was up 9.2% from the first half of 1982. Coated papers were one of the few grades to show a gain in 1982 production over 1981. The major markets for coated papers are in magazines and commercial printing.

Continued on Page 2

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Continued from Page 1

As reported in the enclosed industry data sheet, magazine advertising pages in the first five months of 1983 were 4.6% ahead of the comparable 1982 level. The table also shows that wholesalers' sales of paper and products in current dollars, were up 3%. After adjustment for prices as reported by the Bureau of Labor Statistics, the real volume of sales was up at least 6%. The table also shows that inventories at paper wholesalers on a current dollar basis were within 0.4% of their year-ago level; adjusted for reported BLS price changes, they suggest a small increase in the tonnage of inventories held by paper merchants.

Among the paperboard grades, the largest gains relative to a year-ago continued in the containerboard sector. Production of containerboard for domestic use in the first half of 1983, for example, was 6.2% ahead of the year-ago production. This compared to a 5.3% increase in fibre box shipments, as reported by The Fibre Box Association. However, where the rate of fibre box shipments in the first half of 1983 was a shade above the average reached in 1981, the production of containerboard for domestic use fell a little short of it's 1981 average rate.

Inventories of containerboard at mills and plants showed a small increase in June. The inventory trend during the first half of the year has been relatively flat, although the June level was a bit below that of the beginning of the year and about 6% below the June 1982 level. These data are also shown on the industry data sheet.

Production of paperboard for export continued to show strength. For the first half of 1983, the rate of such production was in excess of 3 million tons per year, 9% above the first half 1982 total which, in turn, was slightly above the 1981 total.

The gain in production for export was centered on the containerboard grades, with the rate of production of unbleached kraft linerboard for export, at 2.2 million tons per year, up 10.7% while the rate of production of semi-chemical paperboard for export at 0.2 million tons per year, was up 8.3%. Relative to the first half 1982 level, production of solid bleached paperboard for export shows only a 0.6% increase; however, the 568,000 tons per year rate was above both the 1981 and 1982 average levels, as shown in the table on page 3.

Imports, Exports and New Supply

Imports of paper, paperboard and products moved upward from April to May 1983, but the May level was still below that reached in March. For the January-May period, total imports

Continued on Page 10

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

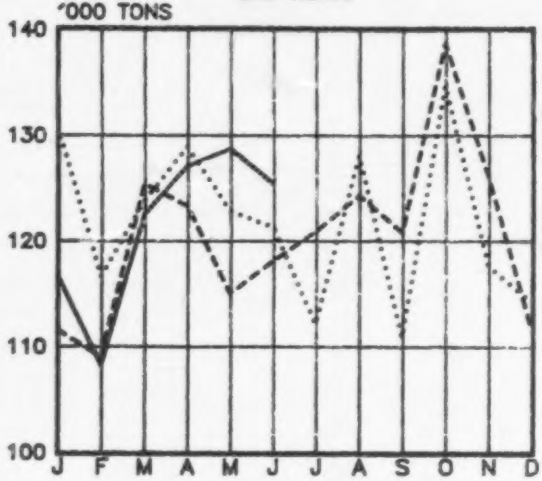
	YEAR 81	YEAR 82	MARCH 83	APRIL 83	MAY 83	JUNE 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
PAPER					R	P		
Newsprint - Production	5239	5042	448	401	440	410	5119	-2.3
- Shipments	5220	4988	434	399	445	435	5015	-2.2
Printing & Writing	15722	15643	1482	1428	1450	1439	16849	8.7
Groundwood Paper - Shipments	1463	1459	123	127	129	126	1458	2.8
- New Orders	1449	1469	128	122	128	129	1468	0.7
- Unfilled Orders	100	91	106	101	102	109	109	8.0
Coated Paper - Shipments	4940	5032	460	447	468	463	5414	9.2
- New Orders	4853	4998	499	438	510	518	5645	14.4
- Unfilled Orders	360	325	342	332	383	432	432	30.0
Unctd Free Sheet - Shipments	7898	7847	773	731	729	723	8636	9.8
- New Orders	7735	7820	833	743	743	732	8879	13.7
- Unfilled Orders	370	321	399	424	439	455	455	43.3
Thin Paper - Shipments	336	323	32	28	28	30	343	1.5
Cotton Fiber Paper - Shipments	125	118	11	10	11	11	127	2.4
Bleached Bristols - Production	960	865	84	85	85	85	971	9.8
Tissue Paper - Production	4518	4438	389	387	410	404	4746	7.2
Total Packaging & Other Paper *	5552	5300	467	439	465	458	5488	2.9
Unbl. Kraft Paper - Shipments	3880	3688	316	291	304	310	3717	0.8
Other Paper - Production *	1672	1612	151	149	162	148	1771	7.8
TOTAL PAPER-Production-UnadJ.	31030	30422	2798	2665	2765	2710	32300	5.6
-Production-S.A.			2591	2649	2677	2647	31821	5.6
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	24231	22589	2120	2039	2170	2058	24418	5.5
Unbl. Kraft Linerboard (1)	14540	13494	1298	1234	1317	1236	14793	7.5
Production for Export	1887	1831	194	184	202	190	2216	10.7
Other Unbl. Kraft Paperboard	1062	1040	92	90	96	88	1064	-2.8
Semichemical Paperboard	4719	4388	393	385	415	386	4639	3.3
Production for Export	155	185	17	19	20	15	208	8.3
Solid Bleached Paperboard	3910	3665	337	330	342	326	3823	3.0
Production for Export	557	525	42	46	44	54	568	0.6
Recycled Paperboard	7001	6476	624	570	616	615	7114	6.8
Production for Export	24	13	1	1	3	8	32	121.4
TOTAL PAPERBOARD-Prod.-UnadJ.	31232	29065	2744	2609	2786	2673	31533	5.8
- Containerboard Prod.(Dom. Use)	19040	17508	1644	1563	1671	1583	18800	6.2
- Boxboard Prod.(Dom. Use) (2)	5544	5150	488	457	473	448	5477	2.6
- All Other P'bd Prod.(D.U.) (2)	4026	3753	357	339	374	364	4130	6.0
- Total Paperbd Prod. for Export	2622	2654	255	250	268	266	3026	9.0
TOTAL PAPERBOARD PROD. - S.A.			2545	2511	2633	2582	30789	5.7
TOTAL PAPER AND PAPERBOARD								
Production - actual	62262	59488	5540	5275	5551	5383	63833	5.7
Production - S.A.			5137	5161	5310	5228	62620	5.6

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

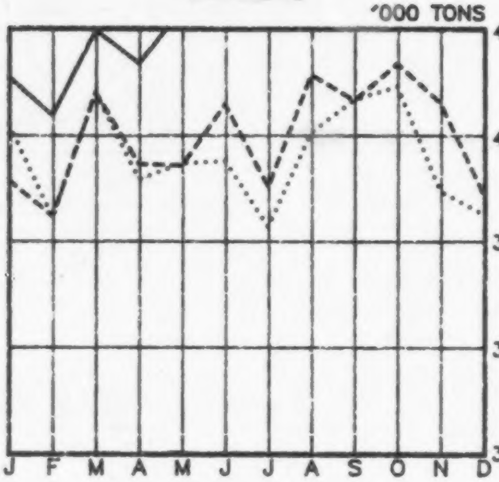
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



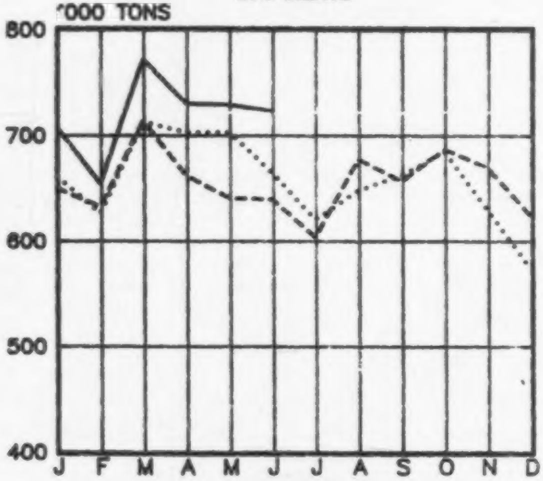
COATED PAPER

SHIPMENTS



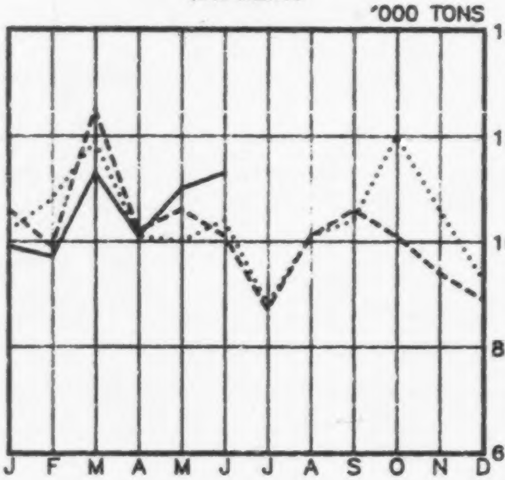
UNCOATED FREE SHEET PAPERS

SHIPMENTS



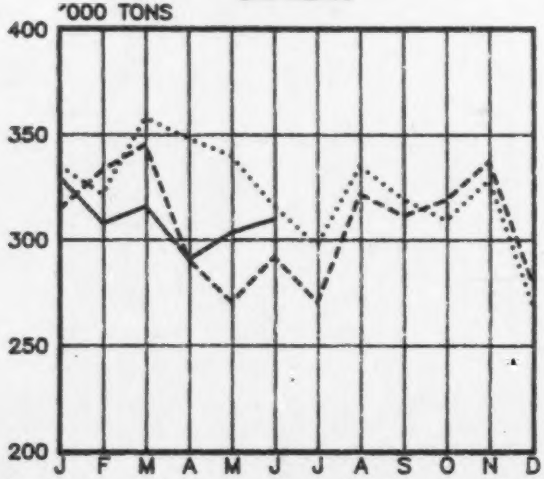
COTTON FIBER PAPER

SHIPMENTS



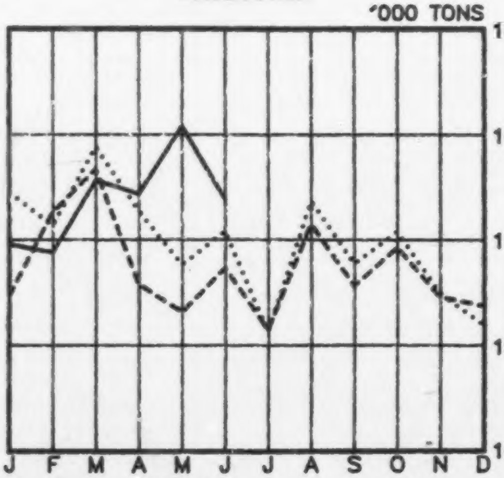
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1981 ········ 1982 ----- 1983 ———

WOOD PULP STATISTICS

(Thousands of Tons)

	YEAR 81	YEAR 82	FEB. 83	MARCH 83	APRIL 83	MAY 83	Annual Rate Y-T-D 83	% Change from same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	52041	49367	4047	4569	4308	4519	52122	2.0
- Imports	4087	3656	266	338	301	378	3818	7.2
- Exports	3678	3395	271	332	346	312	3586	0.6
- New Supply	52450	49628	4041	4575	4262	4585	52354	2.5
Dissolving Pulp - Production	1353	1092	112	112	95	133	1299	3.0
- Imports	249	186	10	21	14	24	224	9.8
- Exports	784	631	30	58	78	40	639	-3.2
- New Supply	818	647	92	76	31	117	885	9.8
Paper Grades - Production	41445	39478	3226	3694	3505	3623	41949	3.0
Chemical Pulp - Imports	3655	3302	242	305	269	342	3436	7.1
- Exports	2870	2736	236	272	263	267	2902	0.5
- New Supply	42230	40044	3232	3728	3511	3698	42483	3.5
Groundwood and - Production	5320	5097	417	442	393	434	5082	-2.4
Thermo-Mech. - Imports	183	167	14	11	18	12	158	5.8
- Exports	24	27	4	3	4	5	46	156.2
- New Supply	5478	5237	427	450	407	441	5194	-2.7
Semi-Chemical - Production	3924	3699	291	321	314	329	3792	-2.1
- Imports	0	0						
- Exports	0	0	------ Included with Groundwood Pulp ------					
- New Supply	3924	3699	291	321	314	329	3792	-2.1
MARKET WOOD PULP								
Total Market - Production	6210	5732	499	584	548	583	6410	5.8
Wood Pulp - Imports	2924	2443	209	229	209	266	2676	5.9
- Exports	3352	3143	267	333	297	289	3412	5.9
- New Supply	5782	5031	440	479	461	559	5675	5.8
Dissolving Pulp - Production	1352	1089	112	112	96	133	1300	3.2
- Imports	241	194	10	22	11	21	214	15.4
- Exports	787	675	60	75	52	49	674	-2.4
- New Supply	806	608	63	60	55	106	840	11.2
Paper Grades - Production	4857	4643C	386	471	452	450	5101	8.3
Chemical Pulp - Imports	2634	2202	198	205	194	241	2436	5.9
- Exports	2555	2468C	207	258	245	241	2738	8.1
- New Supply	4936	4377C	376	417	400	449	4799	5.1
Groundwood Pulp - Production	2	1C	1	1	1	0	10	0.0
and All Other - Imports	49	46	1	1	5	4	27	-37.3
- Exports	10	0C	0	0	0	0	0	0.0
- New Supply	40	47C	2	2	6	4	37	-14.3

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.
C - CORRECTED

FIBROUS RAW MATERIALS

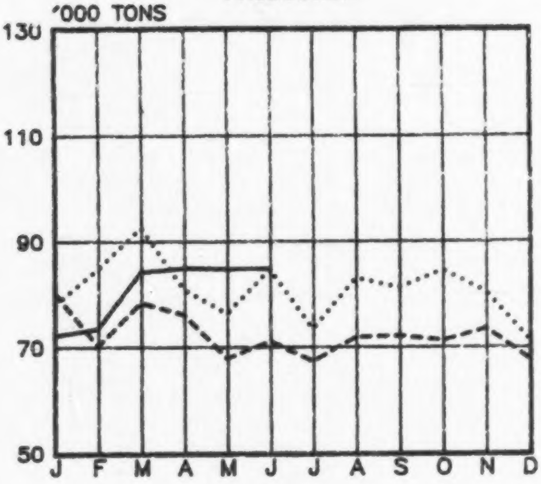
(Thousands of tons)

	YEAR 81	YEAR 82	FEB. 83	MARCH 83	APRIL 83	MAY 83	Annual Rate Y-T-D 83	% Change from same Period Last Year
CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	64573	61679	4955	5635	5317	5600	64550	2.2
Total Wood Pulp	50688	48154	3849	4384	4153	4379	50345	1.8
Waste Paper	13875	13525	1106	1251	1164	1221	14206	3.8
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	188	177	192	183	198	208	208	-0.0
Market Pulp at Pulp Mills	393	437	424	407	429	434	434	-1.0
Mkt Pulp at Ppr. & Bd. Mills *	454	492	487	535	518	528	528	22.8
Waste Paper at Paper &Bd. Mills	1211	1017	858	851	828	812	812	-17.6
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	33	37	35	31	31	30	30	-9.1

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

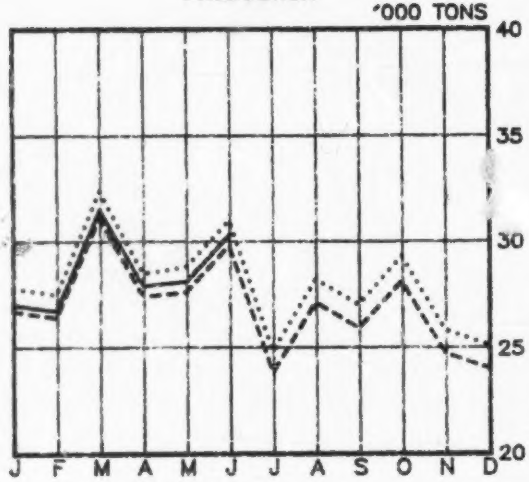
BLEACHED BRISTOLS

PRODUCTION



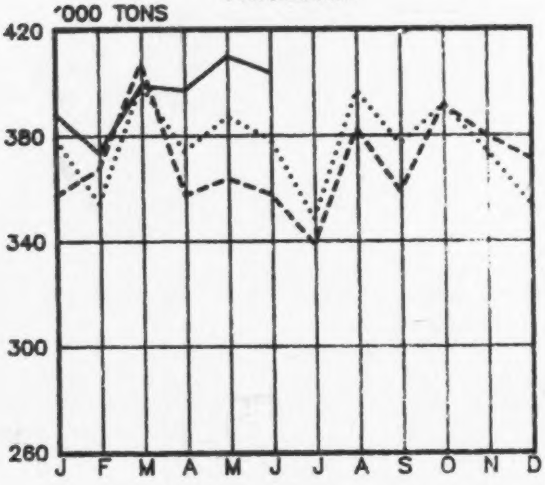
THIN PAPER

PRODUCTION



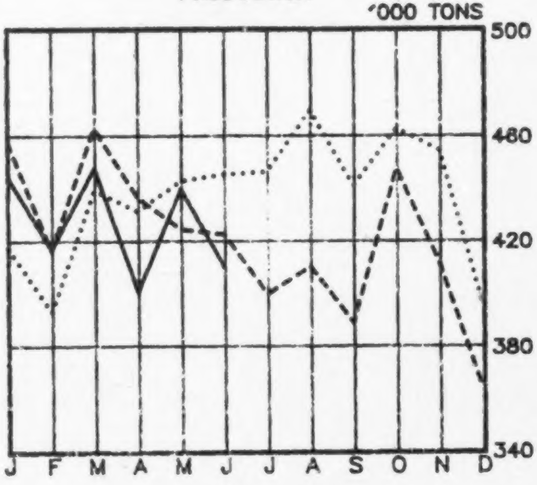
TISSUE PAPER

PRODUCTION



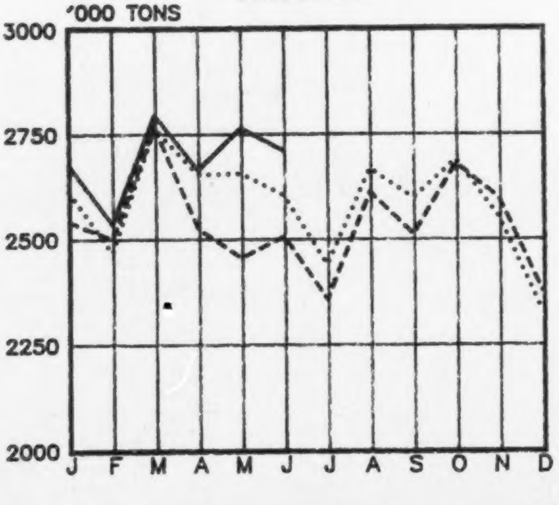
NEWSPRINT

PRODUCTION



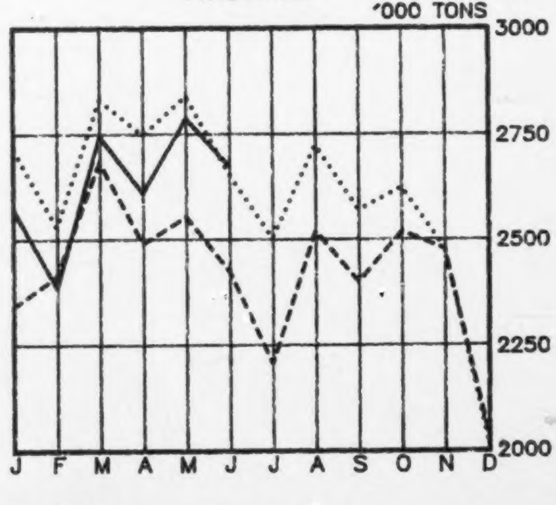
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1981 ········ 1982 - - - - - 1983 ————

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic Foot) Cords)

		YEAR 81	YEAR 82	FEB. 83	MARCH 83	APRIL 83	MAY 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	79547	78519	6525	7051	6770	6628	81362	6.4
	- Total Consumpt.	79747	79039	6771	7360	7162	6693	83954	6.3
	- Residues *	30580	31152	2524	2777	2727	2599	31644	8.2
	- Inventories	6045	5426	5397	5109	4779	4542	4542	-4.3
So. Atlantic	- Total Receipts	24681	23769	1921	2138	2242	2200	25404	8.5
	- Total Consumpt	24815	23725	2072	2258	2252	2123	26018	10.5
	- Residues *	8770	8273	609	646	658	647	7709	-3.3
	- Inventories	1051	1165	1012	903	892	978	978	13.1
Northeast	- Total Receipts	7803	7283	590	563	468	511	6667	-7.9
	- Total Consumpt	7712	7221	602	627	631	513	7262	-4.2
	- Residues *	1362	1452	83	118	85	97	1188	-11.9
	- Inventories	635	652	710	656	493	396	396	-17.8
South Central	- Total Receipts	27744	26510	2155	2536	2328	2093	27521	4.2
	- Total Consumpt	27687	27153	2244	2570	2344	2130	27924	0.9
	- Residues *	8923	8616	864	809	767	630	8688	5.0
	- Inventories	1825	1346	1360	1330	1306	1101	1101	-15.9
North Central	- Total Receipts	5650	5601	600	472	396	482	6202	19.2
	- Total Consumpt	5708	5706	503	558	514	550	6408	13.5
	- Residues *	1439	1517	172	158	126	154	1829	44.6
	- Inventories	1106	925	1080	988	874	800	800	-7.9
West	- Total Receipts	13669	15356	1259	1342	1336	1343	15569	9.3
	- Total Consumpt	13825	15234	1350	1347	1421	1377	16344	12.2
	- Residues *	10096	11294	986	1046	1081	1071	12230	17.8
	- Inventories	1428	1338	1235	1232	1214	1267	1267	3.6

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 82 Tons	YEAR 82 $000	APRIL 83 Tons	APRIL 83 $000	MAY 83 Tons	MAY 83 $000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic Feet)	87043	4711	4734	197	11668	667	92916	-19.5
Pulpwood Chips	1678793	51374	172913	4336	171918	4320	2018455	14.4
Wood Pulp, Total	3384184	1386688	289701	104476	293454	107335	3454730	6.2
Waste Fibrous Materials, Total	129749	23299	10547	1675	15783	2242	139276	15.6
Paper, Board & Products, Total	7707948	3272224	646207	259162	710666	286812	7834816	1.0
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	7685488	3201221	642233	250877	706652	278242	7788725	0.8
Paper Paperboard & Products	7327112	3192595	607980	250936	678500	279613	7413242	-1.5
Paper & Paperboard, Only	7284663	3121582	604005	242651	674485	271043	7367051	-1.6
Paper, Total	7171243	3093475	587117	238710	663183	268380	7215808	-2.5
Newsprint	6484605	2730256	526754	208646	597407	235424	6503345	-4.1
Printing, Writing & Rel. Pap.	612760	310154	51154	24588	60080	28771	628102	15.4
Pack. & Ind. Conv. Paper	66300	46080	7568	4074	4474	3122	72945	11.1
Special Industrial Paper	1889	3123	263	416	210	349	2538	73.2
Tissue Paper	5680	3882	1378	987	1011	714	8880	70.3
Paperboard, Total	113420	28117	16888	3941	11303	2663	151243	73.1
Convtd Paper&Paperbd Products	42448	71003	3975	8284	4014	8570	46191	15.9
Wet Machine Board	1302	737	283	176	358	223	3243	258.8
Construction Paper & Board	379533	78892	37935	8050	31808	6976	418430	82.1

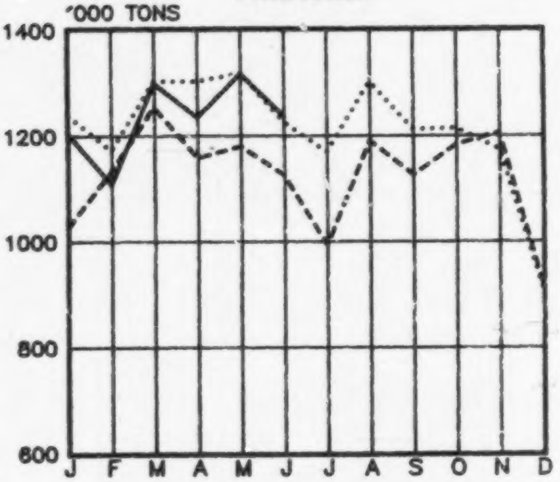
EXPORTS TO CANADA

	YEAR 82 Tons	YEAR 82 $000	APRIL 83 Tons	APRIL 83 $000	MAY 83 Tons	MAY 83 $000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	107700	7263	3960	268	8434	649	56198	-42.2
Pulpwood Chips	27650	1500	3700	219	7141	377	37015	32.4
Wood Pulp, Total	116067	54691	11901	5063	11534	4496	142406	12.2
Cotton Pulp & Other Pulp	6790	4152	638	408	1112	649	8609	32.9
Waste Paper	271395	32555	32522	3457	30110	3490	324674	24.8
Paper, Board & Products, Total	583206	442437	50028	37362	53582	37504	644196	23.6
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	383566	275107	33589	24185	37535	24340	444301	16.5
Paper, Paperboard & Products	561355	433689	47869	36470	50951	36586	613233	22.8
Paper & Paperboard, Only	361714	266359	31430	23293	34904	23422	413338	14.9
Paper, Total	188370	185357	17099	16759	18657	16371	228168	16.6
Newsprint	3037	2671	347	347	234	184	3692	57.3
Printing, Writing & Rel. Pap.	113443	95898	9577	7504	10231	8311	127227	9.8
Pack. & Ind. Conv. Paper	20289	13615	2576	1602	3402	1782	28142	68.7
Special Industrial Paper	47736	70111	4110	6855	4277	5756	63758	14.0
Tissue	3864	3062	490	351	513	339	4348	1.3
Paperboard, Total	173345	81001	14330	6534	16247	7051	185170	13.0
Convtd Paper&Paperbd Products	199640	167330	16440	13176	16047	13164	199895	42.9
Wet Machine Board	4365	2537	556	293	418	225	6552	41.8
Construction Pap & Bd. E	17487	6212	1604	599	2213	693	24412	42.5

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

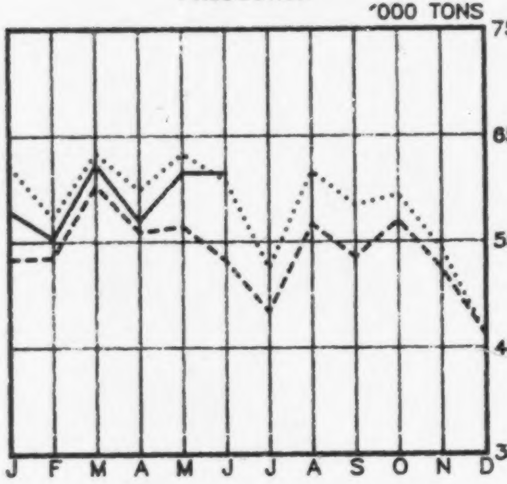
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



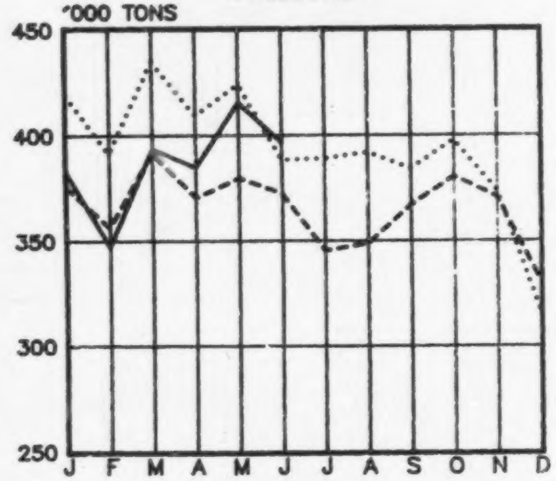
RECYCLED PAPERBOARD

PRODUCTION



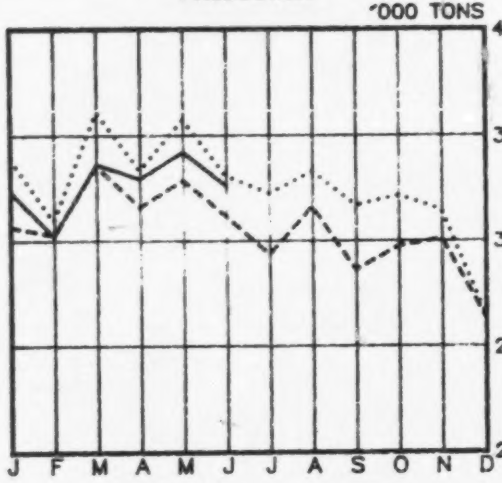
SEMICHEMICAL PAPERBOARD

PRODUCTION



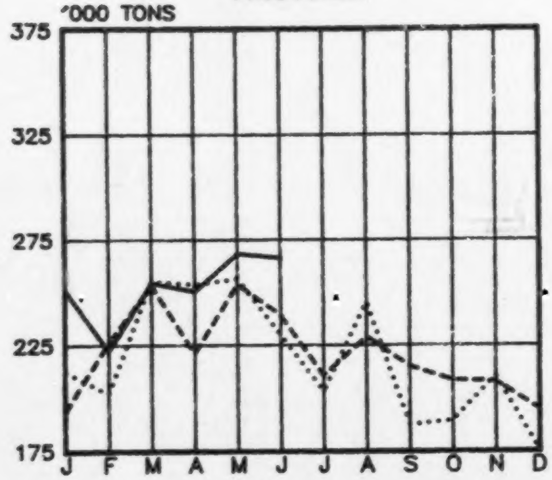
SOLID BLEACHED PAPERBOARD

PRODUCTION



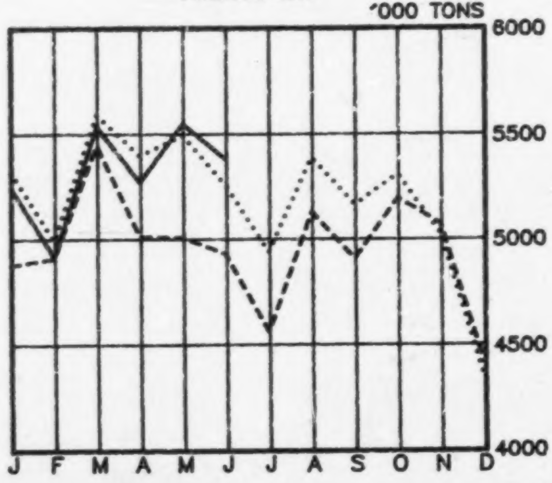
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1981 .... 1982 ----- 1983 ———

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR Tons	82 $000	APRIL Tons	83 $000	MAY Tons	83 $000	(1) Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (cords)	87043	4711	4734	197	11668	667	92916	-19.5
Pulpwood Chips	1682414	51538	176902	4432	172032	4329	2028338	15.0
Total All Imports	11824303	5209303	1010979	421387	1140595	469446	12306699	4.9
Wood Pulp, Total	3655786	1493241	300524	107757	377688	135865	3818220	7.2
Waste Paper	74332	9450	7532	815	9819	844	80182	14.2
Other Fibrous Materials	70176	24212	3575	1405	6680	1970	68836	2.9
Paper, Board & Products,Total	8024009	3682401	699348	311410	746408	330766	8339461	3.8
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	7917418	3344205	687434	273813	734966	294448	8210910	3.5
Paper, Ppbd & Prds ex Cnst&WMB	7602651	3594201	657972	302299	710192	322414	7875801	1.4
Paper & Paperboard, Only	7496060	3256005	646058	264702	698750	286095	7747250	1.0
Paper, Total	7381252	3226307	628768	260360	685574	282174	7587176	0.1
Newsprint	6530676	2748652	538397	212325	598839	235894	6562834	-3.7
Printing & Writing	764095	408551	79314	40821	79353	40070	917040	34.0
Uncoated Groundwood	514882	248196	54728	24670	53206	23780	610289	32.0
Uncoated Book	142626	80105	9508	5401	10304	5647	136500	-2.7
Coated Print.& Impres. Pap	69010	46763	10141	6681	8378	5254	109024	124.6
Bristols	391	416	16	20	30	32	345	-17.8
Writing and Similar Paper	25893	19225	3768	2515	5995	3618	47234	113.6
Thin (except Cigarette)	11293	13846	1154	1535	1440	1738	13648	27.1
Total Pkg & Other Paper	79653	63863	9623	6139	6319	5398	97603	28.6
Unbleached Kraft Paper	23078	10749	3940	1547	1537	654	35526	37.3
Other Pkg. & Indust. Paper	56575	53114	5683	4593	4782	4745	62076	24.1
Tissue	6828	5241	1435	1075	1063	812	9699	64.2
Paperboard, Total	114808	29698	17290	4341	13176	3921	160074	81.1
Test or Containerboard	35983	8459	7589	1730	4212	1049	51104	104.8
Semi-Chemical Corrugating	47295	9679	6090	1249	4848	987	62386	75.2
Other Paperboard	31531	11560	3611	1362	4116	1885	46584	67.4
Convtd Paper&Paperbd Products	106591	338196	11914	37597	11442	36318	128551	33.4
Paper Products, Total	92059	307245	9176	30830	9230	30981	103763	21.4
Paperboard Products, Total	14532	30951	2737	6767	2212	5337	24788	126.5
Wet machine Board	1842	1239	312	193	406	311	3633	138.4
Construction Paper & Board	419515	86961	41063	8818	35810	8042	460027	75.2
Notes								
Other: No Weight Avail. ($000)		135346		10014		10137	120226	-2.4
Total Imports Incl. Other($000)		5344649		431401		478583	5181841	-3.0

EXPORTS

							(1)	
Pulpwood, Roundwood (cords)	111692	7475	3960	268	8966	673	57475	-42.8
Pulpwood Chips	2860133	231140	281981	19439	217353	14502	2602332	-17.9
Total All Exports	9872289	4315138	941033	373618	934915	359599	10590275	5.9
Wood Pulp,Total	3394648	1414558	345685	130829	311710	113893	3586462	0.6
Cotton Pulp and Other Pulp	104560	72327	8260	6271	7711	4998	97519	-10.1
Waste and Old Paper	2127050	238934	195382	21960	200800	24112	2381847	13.6
Paper, Board & Products,Total	4246041	2589319	391706	214559	414694	216596	4524647	6.9
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3670413	1754352	342762	149031	362917	151786	3953784	6.5
Paper, Ppbd & Prod ex Cnst&WMB	4187119	2558943	385815	211230	409737	214074	4455486	6.9
Paper & Paperboard, Only	3611491	1723977	336871	145702	357560	149265	3884633	6.5
Paper, Total	840445	679069	61366	50783	65639	51031	771066	-17.1
Newsprint	307657	142064	23251	10752	24457	9528	267256	-20.5
Printing & Writing	246617	239135	16500	15861	15279	15789	202473	-21.1
Uncoated Groundwood	55916	48430	2302	2171	2481	2378	36048	-39.0
Clay Coated Paper	81373	65485	7175	5071	5205	4262	77888	-3.6
Uncoated Free Sheet	70599	75451	5366	6232	5382	6573	63251	-14.2
Other Printing & Writing	38729	49769	1657	2387	2211	2577	25285	-41.3
Total Pkg. & Other Paper	262861	271556	20047	22277	23970	23591	283116	-9.2
Unbleached Kraft	89068	38003	9184	3628	8430	2747	126795	42.5
Other Pkg. & Indust. Paper	173793	233553	10863	18649	15540	20844	156322	-29.9
Tissue	23310	25415	1568	1894	1934	2123	18221	-27.0
Paperboard, Total	2771046	1044908	275505	94919	292321	98234	3113567	14.6
Solid Wood Pulp	2612568	970814	265380	89655	278831	92325	2973178	15.4
Total Linerboard	1886193	542304	200469	50511	221076	55076	2199449	23.8
Bleached Kraft Linerboard	67595	26626	12375	5197	11732	5269	120170	111.3
Unbleached Kraft Linerbd	1818599	515677	188094	45314	209344	49808	2079280	20.9
Other Unbleached Kraft	139219	60780	7310	4155	4885	2925	109697	-37.4
Other Bleached Kraft	525733	349615	48448	33075	48548	33142	567514	2.9
Semi-Chemical Corrugating	61422	18116	9153	1914	4322	1182	96518	33.2
Recycled Paperboard	158478	74094	10125	5264	13490	5909	140389	-0.4
Convtd Paper&Paperbd Products	575628	834966	48944	65528	51777	64809	570863	10.0
Paper Products, Total	315805	591163	25654	46141	27911	45083	309163	-4.2
Paperboard Products, Total	259823	243804	23291	19387	23866	19726	261699	33.2
Wet Machine Board	11089	5938	1382	570	556	355	13829	31.3
Construction Paper & Board E	47833	24437	4509	2758	4401	2187	55322	1.9
Notes								
Other: No Weight Avail. ($000)		8990		570		631	6751	-32.9
Total Exports Incl. Other($000)		4324128		374188		360229	4135709	-4.4

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES

1967 = 100

	81	82	MARCH	APRIL	MAY	JUNE	Annual Rate Y-T-D 1982	% Change From Same Period Last Year
Pulp, Paper and Products except Building Grades	270.8	273.2	269.1	269.8	269.1	269.4	269.0	-2.4
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	272.4	275.9	271.7	271.4	271.7	272.0	271.6	-2.4
Total Wood Pulp	397.1	379.1	346.7	344.5	345.8	346.5	346.0	-13.6
Total Paper	279.8	286.3	278.6	278.7	279.1	279.6	279.0	-3.5
Total Paper, exc. Newsprint	271.1	278.3	272.5	272.7	273.6	274.2	273.3	-2.6
Newsprint	307.5	315.8	299.1	299.1	299.1	299.1	299.1	-6.3
Total Paperboard	258.1	254.9	246.6	248.4	248.9	249.6	246.8	-5.0
Total Paper and Paperboard #	273.1	276.5	268.6	269.2	269.6	270.2	268.9	-3.9
Converted Products	258.8	264.4	265.2	264.5	264.5	264.7	264.8	0.2
Waste Paper	175.7	121.1	116.0	116.0	116.0	116.0	116.0	-8.2
All Commodities	293.4	299.3	300.5	300.8	301.7	302.5	301.1	0.9
Industrial Commodities	304.1	312.3	313.4	312.6	313.8	315.4	313.8	1.0

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Paper and Allied Products Companies

Sales and Earnings

	Sales			Net Profit After Taxes[1]			Earnings/Sales	
	1983 (Million	1982 Dollars)	Change 83/82 %	1983 (Million	1982 Dollars)	Change 83/82 %	1983 %	1982 %
30 Paper and Allied Products Companies								
First Quarter	9,921	9,344	+ 6.2	307	215	+42.8	3.1	2.3
Second Quarter	10,565	9,604	+10.0	381	334	+14.1	3.6	3.5
First Half	20,486	18,948	+ 8.1	688	549	+25.3	3.4	2.9
4 Forest Products Companies								
First Quarter	2,816	2,513	+12.1	59.0	71.1	-17.0	2.1	2.8
Second Quarter	3,355	2,803	+19.7	131.7	93.8	+40.4	3.9	3.3
First Half	6,171	5,316	+16.1	190.7	164.9	+15.6	3.1	3.1

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[1] As published; income from current operation is used when published separately.

Continued from Page 2

were only 1.4% ahead of their 1982 level, with newsprint imports down 3.7%. Although newsprint accounted for 83% of the total imports of total paper, paperboard and products in the first five months of 1983, the 3.7% decline in imports was offset by increases in imports of the other grades of paper and paperboard. Imports of printing/writing papers, for example, at 917,000 tons per year, were up 34%, while imports of packaging papers, at 98,000 tons per year, were up 28.6%. Paperboard imports, at 160,000 tons per year, were up 81%. These data are shown in the table on page 9.

Exports of paper, paperboard and products in May were also above the April level, and at a high for the year. Although exports of the paper grades were down 17%, paperboard exports advanced. For the first five months of 1983 total exports were 6.9% ahead of their comparable 1982 level.

Total new supply of paper, paperboard and products, in the second quarter of 1983, was at an estimated rate of 66.2 million tons per year, a shade higher than the 65.8 million tons per year rate achieved in the first quarter. At 66 million tons per year, the first half rate was 5.1% above the 62.8 million ton rate per year of new supply achieved in the first half of 1982, and only a shade below the 66.1 million tons per year rate achieved in the first half of 1981.

The Department of Commerce made its annual revision of gross national product accounts in mid-July indicating that the gross national product in 1972 prices (real GNP) in the last few years was slightly higher than had been earlier estimated. The new data show that the real GNP in the first half of 1983 was 1.2% ahead of the comparable 1982 level. The larger 5.1% gain in new supply of paper, paperboard and products in this same period is typical of the upswing of a business cycle. In the downswing of the cycle, new supply declined more than real GNP.

The ratio of new supply to real GNP in the first half of 1983 was 43.900 tons per billion dollars, a little higher than the estimated ratio in the first half of 1981, which was 43,600 tons per billion dollars.

Wood Pulp

Revised data on the production of wood pulp reported by the Wood Pulp Division of the API's Pulp, Materials & Technology Group show total wood pulp production in the first five months of 1983 up 2% from the comparable year-ago level. The revision was largely in the chemical paper grades, with production now reported up 3% from the year-ago level. At an annual rate of 41.9 million tons, the rate was above the average for both 1981 and 1982.

Production of chemical paper grade market pulp showed even

Continued on Page 12

Continued from Page 11

greater strength, rising 6.3% above the comparable 1982 level in the first five months of 1983. The 5.1 million tons per year rate compared favorably with the 4.9 million tons exported in all of 1981.

Imports and exports of chemical paper grade market pulp also showed strong gains, with imports up 5.9% and exports up 8.1%. As a result, new supply of these grades was up 5.1%, to 4.8 million tons per year. However, this rate was below that realized in 1981 as a whole.

The table on page 5 also shows data on inventories of market pulp; at the end of May inventories at pulp mills were 1% below their year-ago level, while inventories at paper and paperboard mills were up 23%. This is a normal pattern in a period of rising demand for market pulp.

Sales and Earnings

The increase in production of paper and paperboard in 1983 over the 1982 levels was reflected in both sales and earnings. Net sales of 30 paper and allied products companies in the second quarter of 1983, as reported in the press, amounted to $10.6 billion, 10.0% above the comparable 1982 total. This brought the increase in sales for the first half of the year to 8.1%.

These same companies earned $381 million, after taxes, in the 1983 second quarter, 14% above the cyclically depressed 1982 level. For the entire first half, the gain in earnings amounted to 25%. The margin on sales for these companies in the first half of 1983 was 3.4%, compared to 2.9% in the first half of 1982.

A similar analysis of four forest products companies with significant holdings in the pulp and paper industry showed second quarter 1983 sales up 20%; earnings after taxes up 40%. The second quarter 1983 sales margin for these companies was 3.9% compared to 3.3% in the first quarter of 1983.

The table at the bottom of page 10 presents the detailed data for these two groups of companies.

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INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

JULY 21, 1983

	PRODUCTION (000 TONS)					
	June 83	May 83	June 82	Jan - June 83	Jan - June 82	% Change 83/82
PAPER GRADES	P	R				
Newsprint	410	440	423	2559	2620	-2.3
Printing & Writing	1439	1450	1300	8474	7794	8.7
Uncoated Groundwood (s)	126	129	119	729	709	2.8
Coated Paper (s)	463	468	432	2707	2478	9.2
Uncoated Free Sheet Paper (s)	723	729	639	4318	3934	9.8
Thin Paper (s)	30	28	30	172	169	1.5
Cotton Fiber Paper (s)	11	11	10	63	62	2.4
Bleached Bristols (s)	85	85	71	486	442	9.8
Tissue Paper	404	410	358	2373	2213	7.2
Total Pkg & Other Paper	458	465	427	2744	2667	2.9
Unbleached Kraft Packaging & Indl. Converting (s)	310	304	292	1858	1847	0.6
Other Paper *	148	162	135	885	820	7.9
TOTAL PAPER	2710	2765	2508	16150	15294	5.6
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1335	1412	1207	7928	7425	6.8
Unbleached Kraft Linerboard	1236	1317	1125	7396	6878	7.5
Other Unbl. Kraft Paperboard	98	96	81	532	547	-2.8
Semichemical Paperboard	396	415	372	2319	2246	3.3
Bleached Paperboard	326	342	312	1961	1903	3.0
Recycled Paperboard	615	616	533	3557	3331	6.8
TOTAL PAPERBOARD	2673	2786	2424	15766	14906	5.8
TOTAL PAPER AND PAPERBOARD	5383	5551	4931	31917	30200	5.7

WOOD PULP (ALL GRADES)	May 83	April 83	May 82	Jan - May 83	Jan - May 82	% Change 83/82
Dissolving & Special Alpha	133	95	108	541	525	3.0
Bleached Sulfite	106	108	107	538	549	-2.0
Unbleached Sulfite	30	19	35	132	147	-9.9
Bleached & Semi-Bl. Sulfate	1824	1771	1696	8787	8441	4.1
Unbleached Sulfate	1635	1579	1551	7934	7839	1.2
Semichemical	329	314	325	1580	1614	-2.1
Groundwood and Thermomechanical	434	393	436	2118	2170	-2.4
TOTAL PULP DIVISION DATA	4491	4280	4258	21630	21285	1.6

(s) - Shipments R - Revised E - Estimate
P - Preliminary * - Revised series based on A.P.I. data.

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July 22, 1983

	Full Year		INDUSTRY DATA			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1981	1982	April	May	June		
Total Production (API)......| excluding |...	62262	58488	5275	5551	5383	63833	5.7
Total Seasonally Adjusted....|construction|...			5161	5310	5229	62620	5.6
Imports (including Products).| and wet |..E	7941	7603	658	710	N.A.	7932	1.8
Exports (including Products).| machine |..E	4561	4187	386	410	N.A.	4508	5.8
Apparent Consumption.........| grades |...	65642a	62904b	5433	5610	5529	66044c	+5.1
Paper Production % Tonnage Capacity...........	92.1s	87.7s	89.3	89.9	90.8	90.5sh	-
Paperboard Production % Tonnage Capacity......	90.8s	81.9s	87.1	90.6	89.3	88.2s	-
			March	April	May		
IMPORTS.....|Including Construction and |.....	8338	8024	769	699	746	8335	3.8
EXPORTS.....| WMB Grades (excl. HPB) |.....	4641	4246	355	392	415	4525	6.9
MARKET WOOD PULP PRODUCTION - Tons (000).........	6210	5732	564	548	583	6410	5.8
TOTAL WOOD PULP PRODUCTION - Tons (000)..(F)....	52041	48387	4569	4308	4519	52122	2.0
WOOD PULP IMPORTS - TONS (000)...................	4087	3656	338	301	378	3818	7.2
WOOD PULP EXPORTS - TONS (000)...................	3678	3395	332	346	312	3586	0.6
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS | excluding |			March	April	May		
Wood Pulp.............|consumption for|.....	50688	48154	4384	4153	4378	50345	1.6
Waste Paper...........|construction & |.....	13875	13525	1251	1164	1221	14206	3.9
TOTAL..........| WMB grades |.....	64573	61679	5635	5317	5600	64550	2.2
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	79747	79039	7360	7162	6693	83954	6.3
EMPLOYMENT (000)			April	May	June		
Paper and Allied Products..........Total......	688.5	662.0	651.8	654.9	662.5	652.2	-2.2
Pulp, Paper and Board Mills........Total.....E	267.3	257.9	251.6	252.5	255.0	252.2	-2.8
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....................	9.60	9.32	9.72	9.80	9.91	9.73	7.0
Pulp, Paper Mills............................E	10.05	10.88	11.37	11.48	11.50	11.38	7.6
Paperboard Mills.............................E	10.23	11.13	11.90	12.05	12.10	11.83	9.5
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1982 Q3	1982 Q4	1983 Q1		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	6.72	5.97	5.71	6.02	5.84	6.03y	1.0
INDEX OF OUTPUT PER MAN-HOUR (1977=100)..........			April	May	June		
|IN PULP, PAPER |...Production Workers..........	108.2	109.9	119.1	120.3	117.3	119.6	10.4
|AND BOARD MILLS|...All Employees..............	107.5	108.3	117.2	118.9	116.3	117.8	10.1
PAPER AND ALLIED PRODUCTS (Million $)			March	April	May		
Industry Shipments (Dept. of Commerce)*.......	80251	78892	6695	6994	6890	81506	2.8
Pulp, Paper and Paperboard*..................	35118	33523	2812	2937	2905	34450	0.8
Inventories (End of Period) - Total Industry*.	8641	8607	8370	8304	8294	8294	-3.9
Pulp, Paper and Paperboard*..................	3224	3365	3278	3302	3304	3304	-1.2
			1982 Q3	1982 Q4	1983 Q1		
Sales (Corporations Only, FTC)................	62699	60293	14913	14939	15524	62096	2.6
Earnings (Corporations Only, FTC).............	3110	1460	408	198	441	1784	5.5
Depreciation (Corporations Only, FTC).........	2267	2379	602	595	641	2564	10.5
Net Worth (Corporations Only, FTC)............	26558	26705	26795	26705	26985	26985	0.6
PRICE INDEXES (Bureau of Labor Stats)1967=100			April	May	June		
Pulp, Paper & Products, ex. Building Grades...	270.8	273.2	268.8	269.1	268.4	268.0	-2.4
Wood Pulp.....................................	397.1	379.1	344.5	345.8	346.5	346.0	-13.8
Waste Paper...................................	175.7	121.1	116.0	116.0	116.0	116.0	-8.2
Paper...	279.6	286.3	278.7	279.1	279.6	279.0	-3.5
Paperboard....................................	258.1	254.9	248.4	248.8	249.6	246.8	-5.0
PAPER DEMAND (INDEXED: 1967=100)			April	May	June		
Total Paper Production *.....................	148.3	145.4	151.8	153.4	151.7	151.9	5.6
Paper New Supply *...........................	137.7	135.1	141.0	144.4	141.9	141.3	5.2
Total End - Use Index *.....................	150.3	149.5	152.4	152.6	153.4	151.6	1.3
Production of Nondurable Goods *...(19%)..	164.7	156.1	163.3	164.9	165.9	161.9	3.7
Disposable Income (Constant $) *...(23%)..	154.3	157.8	161.0	161.8	161.9	160.9	2.5
Total Printing and Publishing *...(58%)..	144.0	144.0	145.5	145.0	145.9	144.6	-0.1
Trend Factor				-Not Available-			
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *...............	137.1	127.6	132.1	138.5	135.8	135.0	5.7
Production for Domestic Use	132.9	122.7	126.0	131.8	129.1	129.0	5.4
Total End - Use Index *.....................	149.3	139.5	144.3	146.1	147.8	143.1	1.9
Production of Consumer Goods *...(60.49%)	147.8	142.7	147.6	149.5	151.3	146.6	3.1
Production of Equipment *...(6.62%)	151.8	139.8	136.2	137.5	138.7	135.7	-5.6
Production of Materials *...(32.89%)	151.5	133.7	139.8	141.5	143.3	138.2	1.1
Trend Factor				-Not Available-			
NEWSPRINT MARKETS			March	April	May		
Consumption by Publishers - Tons (000).........	11205	11150	970	968	1014	11251	1.9
Newspaper Pub. and Printing Empl. Total(000)..	419.8	417.5	416.0	417.0	418.9	416.3	-0.5
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	123182	120939	11585	10815	12594	126872	4.6
WHOLESALERS SALES AND INVENTORIES (Million $)(J)							
Total Paper & Pap. Prdcts..ex Wallpaper..Sales	23603	22776	2123	1883	1886	23138	3.0
Inventories (End of Period)	1971	1885	1975	1969	1986	1986	-0.4
FIBRE BOX DATA (Fibre Box Association)			April	May	June		
Fibre Box Shipments (Million square feet)......	246152	235185	20464	20769	22044	247602	5.3
Container'bd Inventory at Mill & Plant(000Tons)	2729	2584	2495	2463	2497	2497	-5.8
RETAIL TRADE (Million $)							
Total Retail Sales *..........................	1047118	1074467	95448	98423	99120	1139454	7.5
Nondurable Goods Stores Sales *...............	731201	753568	64781	66410	66747	779432	4.6
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	150.9	138.6	142.7	144.3	145.9	141.4	0.6
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	293.4	299.3	300.6	301.7	302.5	301.1	0.9
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	272.4	289.1	295.5	297.1	298.1	295.1	3.5
			March	April	May		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	331.7	344.8	342.6	344.7	347.2	347.2	5.4
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billions).			1982 Q4	1983 Q1	1983 Q2		
G.N.P. or Expenditure - Current $.............	2954.1	3073.0	3109.6	3171.5	3273.7	3222.6	5.8
G.N.P. or Expenditure - 1972 $................	1513.8	1485.4	1480.7	1480.1	1521.4	1505.8	1.2

lb/capita
Pap&Papbd Othr Totl Popul(mil)
.a - 572 + 21 = 593 229.8
.b - 543 + 15 = 558 232.0
.c - 567 + 18 = 585 233.0
.E - Last month estimated by API
.e - estimated by API

s - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
J - Census unpublished data; standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter

R - Revised
RS - Revised Series
y - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted

9/12/83
A2500-2

Paper
Paperboard
& Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 61 - No. 8 **August, 1983**

Paper and Paperboard Production: Climbing

Paper and paperboard producers kept their July shutdowns to a minimum. Total production, at 5.1 million tons, was about 12% above the cyclically-depressed year-ago level and some 3% ahead of the July 1981 level. The seasonally adjusted rate of production in July 1983 moved above the 65 million tons per year rate.

A better measure of the trend position of paper and paperboard production is the two-month average of the seasonally adjusted data. The June-July 1983 average was at the rate of 63.9 million tons per year. Preliminary data indicate that the seasonally adjusted rate for the month of August may move off the July peak, but the July-August average will probably show a further gain, to bring the rate above 64 million tons per year. (A strike at a large paperboard company may hold the production rate a little below this level.)

The seasonally adjusted rate of production in the first seven months of the year was close to 63 million tons per year, 6.6% ahead of the comparable 1982 rate, with paper production showing a gain of 6.1% and paperboard production 7.1%.

Among the paper grades, the printing/writing papers continue to show the strongest gains; total printing/writing paper shipments in the January-July period were 9.2% ahead of their comparable 1982 level. Within the printing/writing complex, major strengths continue in the coated papers - up 10.5% - and uncoated free sheet - up 10.1%. The gain in coated paper shipments reflects the heavy demand for publication grades by magazine publishers, and for the better grades of coated papers by commercial printers. The major sources of strength in the uncoated free sheet papers continue in the bond and writing sector, supported by rising demand for office copy and computer papers, as well as relatively strong demand for the printing grades.

Newsprint production in the U.S. for the first 7 months of 1983 was about 1.5% below the year-ago total. Imports were higher as reflected in a gain of 1.6% in shipments of newsprint

Continued on Page 2

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Continued from Page 1

from Canada during the first 6 months of the year and a rise of 19,000 tons, 148%, in imports from other countries. Thus, total new supply of newsprint in the first half of 1983 showed a gain of just under 1%. Perhaps more important, is the report by the Canadian Pulp and Paper Association that the rate of newsprint consumption by publishers in the May-June 1983 period pulled out of its long-term range of 11.0 to 11.4 million tons per year and moved up to a seasonally adjusted rate of 11.8 million tons per year. The May-June rate of consumption of newsprint by U.S. publishers reached a new high.

The other grades of paper also showed gains over their comparable year-ago totals. Tissue paper output was up 7.2% in the January-July 1983 period, while packaging and industrial grades showed a 3% increase in production. Within this sector, the increase was concentrated in the bleached kraft and special industrial papers, where a gain of 7.1% was recorded.

The table on page 3 shows some unusual patterns in paperboard production. In particular, the production of "all other" paperboard for domestic use, at a 4.15 million ton per year rate, was 8.1% over its year-ago level. These are paperboard grades other than containerboard and boxboard but they do include some packaging grades, such as tube can and drum stock. This sector also includes gypsum wallboard facings, which rose 10% over their year-ago level, and panelboard, used in automobiles and housing, which was up 26%. In addition, the miscellaneous non-packaging uses of paperboard showed a strong gain.

Paperboard production for export gained 9.6% over its comparable year-ago level in the first 7 months of 1983. At 3 million tons per year, the rate compares with the 3.3 million tons exported in the record year 1980.

Production of containerboard for domestic use rose 7.5% from its year-ago level. This compares with the 5.3% increase in fibre box shipments reported by the Fibre Box Association for that same period. Fibre box shipments have been in a relatively steep uptrend in recent months. The seasonally adjusted rate in the June-July period averaged 260 billion square feet per year, considerably higher than the 251 billion square feet shipped in the record-high year of 1979.

Imports, Exports and New Supply

Total imports of paper, paperboard and products rose sharply from May to June, to 793,000 tons, the high for the year. In both 1981 and 1982 the June level of imports declined from the May level. Total imports in the first half of 1983 were up by 6.1%, with paper showing a 4% gain, paperboard 74% and converted

Continued on Page 11

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

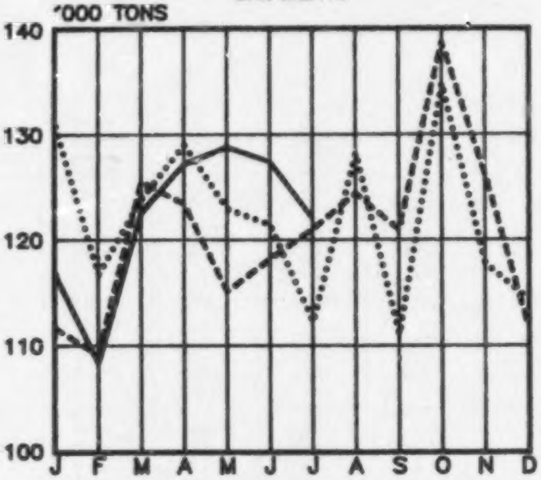
	YEAR 81	YEAR 82	APRIL 83	MAY 83	JUNE 83	JULY 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
PAPER					R	P		
Newsprint - Production	5238	5042	401	440	410	417	5101	-1.5
- Shipments	5220	4988	399	445	435	436	5045	-0.3
Printing & Writing	15722	15643	1428	1455	1461	1350	16888	9.2
Groundwood Paper - Shipments	1463	1459	127	129	127	122	1482	2.7
- New Orders	1449	1469	122	128	130	128	1481	-0.4
- Unfilled Orders	100	91	101	102	108	110	110	-7.1
Coated Paper - Shipments	4940	5032	447	488	482	456	5454	10.5
- New Orders	4853	4998	439	510	545	498	5738	16.7
- Unfilled Orders	360	325	332	383	433	483	483	41.8
Unctd Free Sheet - Shipments	7898	7847	731	734	731	884	8561	10.1
- New Orders	7735	7820	743	748	740	746	8910	15.0
- Unfilled Orders	370	321	424	439	448	523	523	58.5
Thin Paper - Shipments	336	323	28	28	30	24	335	1.5
Cotton Fiber Paper - Shipments	125	118	10	11	9	8	115	-1.0
Bleached Bristols - Production	960	865	85	85	81	77	957	9.6
Tissue Paper - Production	4518	4438	397	410	398	370	4892	7.2
Total Packaging & Other Paper *	5552	5300	439	464	460	413	5408	3.1
Unbl. Kraft Paper - Shipments	3880	3688	291	304	312	285	3677	1.3
Other Paper - Production *	1672	1612	148	160	148	128	1732	7.1
TOTAL PAPER-Production-Unadj.	31030	30422	2665	2768	2729	2550	32091	6.1
-Production-S.A.			2649	2680	2665	2744	32013	6.1
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	24231	22589	2039	2170	2049	1982	24331	6.7
Unbl. Kraft Linerboard (1)	14540	13484	1234	1317	1232	1199	14728	9.2
Production for Export	1887	1831	184	202	188	186	2215	12.3
Other Unbl. Kraft Paperboard	1062	1040	90	96	98	100	1084	-0.7
Semichemical Paperboard	4719	4389	385	415	395	386	4635	4.3
Production for Export	155	185	-19	20	15	20	214	8.8
Solid Bleached Paperboard	3910	3665	330	342	325	306	3884	3.1
Production for Export	557	525	46	44	53	35	544	-2.5
Recycled Paperboard	7001	6476	570	616	609	561	7050	7.8
Production for Export	24	13	1	3	6	3	30	113.0
TOTAL PAPERBOARD-Prod.-Unadj.	31232	29065	2609	2788	2658	2553	31380	7.0
- Containerboard Prod.(Dom. Use)	18040	17508	1563	1671	1588	1529	18812	7.5
- Boxboard Prod.(Dom. Use) (2)	5544	5150	457	473	446	422	5414	3.1
- All Other P'bd Prod.(D.U.) (2)	4026	3753	339	374	362	359	4151	8.1
- Total Paperbd Prod. for Export	2622	2654	250	268	262	244	3004	9.6
TOTAL PAPERBOARD PROD. - S.A.			2511	2633	2569	2678	30980	7.1
TOTAL PAPER AND PAPERBOARD								
Production - actual	62262	59488	5274	5554	5387	5103	63472	6.5
Production - S.A.			5160	5313	5233	5423	62981	6.6

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

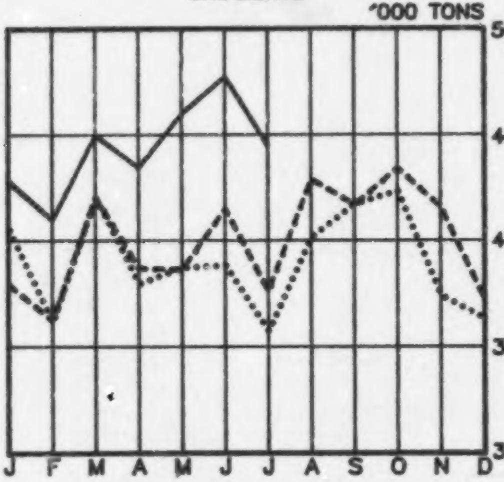
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



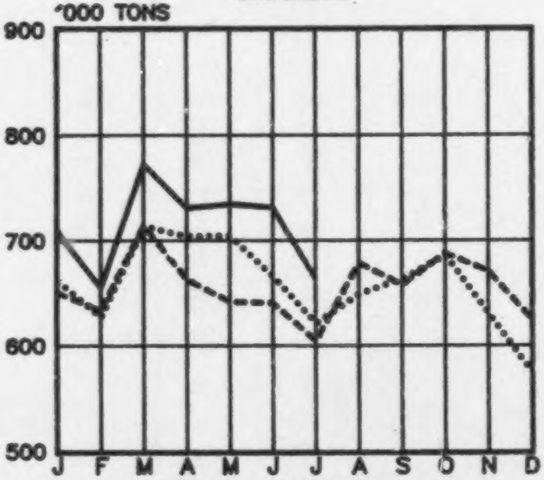
COATED PAPER

SHIPMENTS



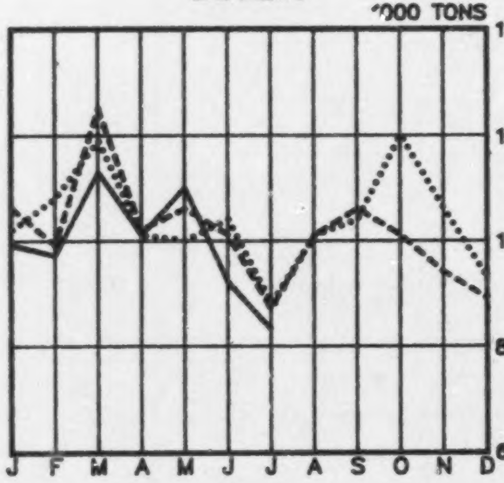
UNCOATED FREE SHEET PAPERS

SHIPMENTS



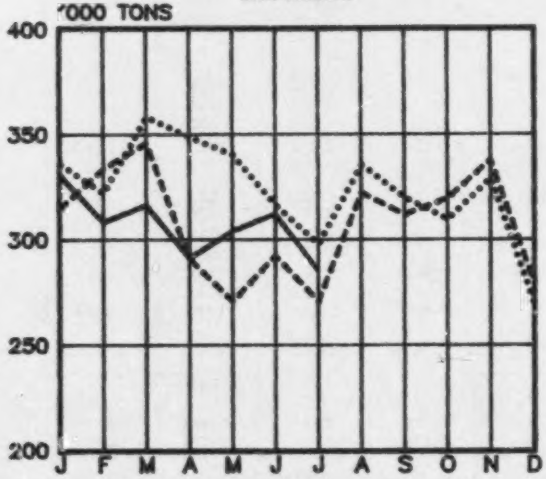
COTTON FIBER PAPER

SHIPMENTS



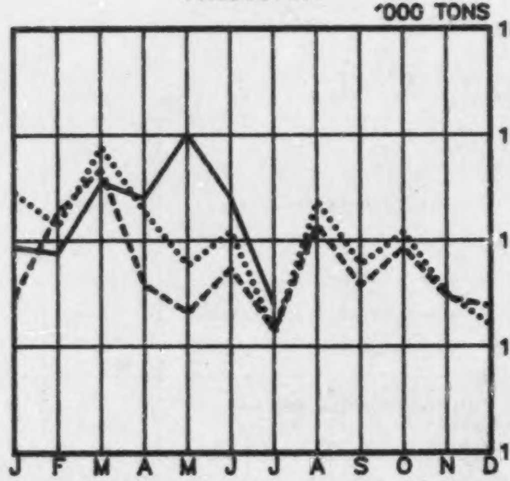
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1981 ········ 1982 ----- 1983 ———

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 81	YEAR 82	MARCH 83	APRIL 83	MAY 83	JUNE 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	52041	48367	4589	4308	4520	4391	52217	2.8
- Imports	4087	3656	336	301	378	357	3895	9.9
- Exports	3678	3395	332	348	312	324	3636	1.7
- New Supply	52450	48628	4575	4262	4585	4424	52476	3.2
Dissolving Pulp - Production	1353	1082	112	85	133	123	1329	11.2
- Imports	248	186	21	14	24	13	214	6.3
- Exports	784	631	58	78	40	50	632	-4.3
- New Supply	818	647	76	31	117	87	911	23.8
Paper Grades Chemical Pulp - Production	41445	38478	3694	3505	3824	3517	41891	3.4
- Imports	3855	3302	305	268	342	328	3519	10.2
- Exports	2870	2736	272	263	267	268	2855	2.0
- New Supply	42230	40044	3728	3511	3888	3578	42555	4.0
Groundwood and Thermo-Mech. - Production	5320	5087	442	383	434	421	5078	-2.3
- Imports	183	167	11	18	12	15	163	8.8
- Exports	24	27	3	4	5	5	48	147.7
- New Supply	5478	5237	450	407	441	431	5190	-2.6
Semi-Chemical - Production	3624	3888	321	314	328	331	3821	-1.5
- Imports	0	0						
- Exports	0	0	------ Included with Groundwood Pulp ------					
- New Supply	3624	3888	321	314	328	331	3821	-1.5
MARKET WOOD PULP								
Total Market Wood Pulp - Production	6210	5732	584	548	584	547	6440	8.5
- Imports	2824	2443	228	208	286	222	2874	8.8
- Exports	3352	3143	335	287	288	321	3485	8.2
- New Supply	5782	5031	478	461	560	448	5828	6.8
Dissolving Pulp - Production	1352	1088	112	86	133	123	1328	11.4
- Imports	241	184	22	11	21	10	188	8.7
- Exports	787	675	75	52	48	85	731	4.8
- New Supply	806	608	60	55	106	48	786	17.3
Paper Grades Chemical Pulp - Production	4857	4843	471	452	450	423	5087	5.0
- Imports	2634	2202	205	184	241	210	2450	8.8
- Exports	2555	2488	260	245	240	238	2753	8.0
- New Supply	4836	4377	416	400	450	387	4785	5.2
Groundwood Pulp and All Other - Production	2	1	1	1	2	1	13	0.0
- Imports	48	48	1	5	4	2	28	-38.2
- Exports	10	0	0	0	1	0	1	0.0
- New Supply	40	47	2	6	5	3	38	-8.4

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

FIBROUS RAW MATERIALS
(Thousands of tons)

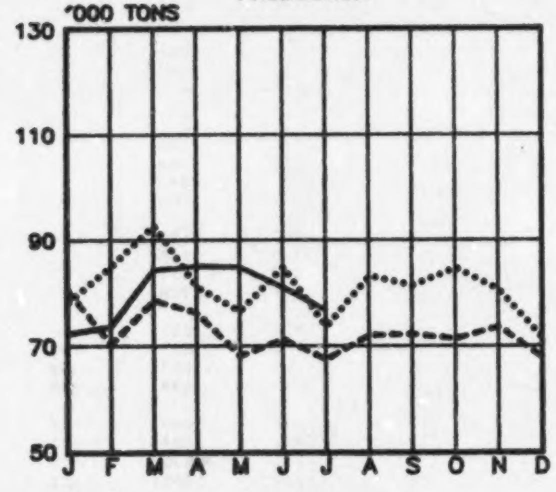
	YEAR 81	YEAR 82	MARCH 83	APRIL 83	MAY 83	JUNE 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	64573	61679	5635	5317	5600	5516	64824	3.0
Total Wood Pulp	50698	48154	4384	4153	4378	4311	50578	2.5
Waste Paper	13875	13525	1251	1164	1221	1205	14248	4.7
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	188	177	183	198	208	201	201	-1.8
Market Pulp at Pulp Mills	383	437	407	428	434	425	425	-11.2
Mkt Pulp at Ppr. & Bd. Mills *	454	482	535	518	528	514	514	30.1
Waste Paper at Paper &Bd. Mills	1211	1017	851	828	812	858	856	-18.2
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	33	37	31	31	30	30	30	-21.1

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.

* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

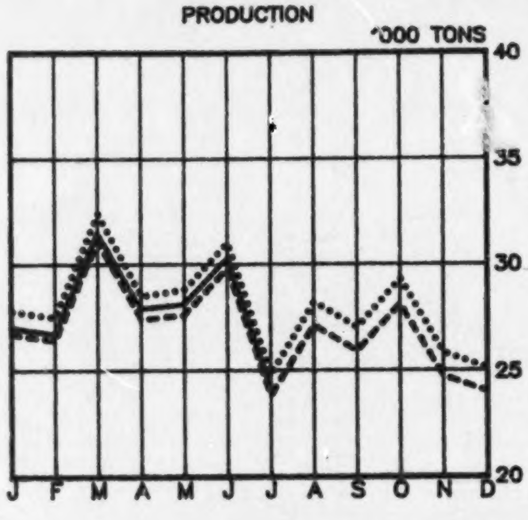
BLEACHED BRISTOLS

PRODUCTION



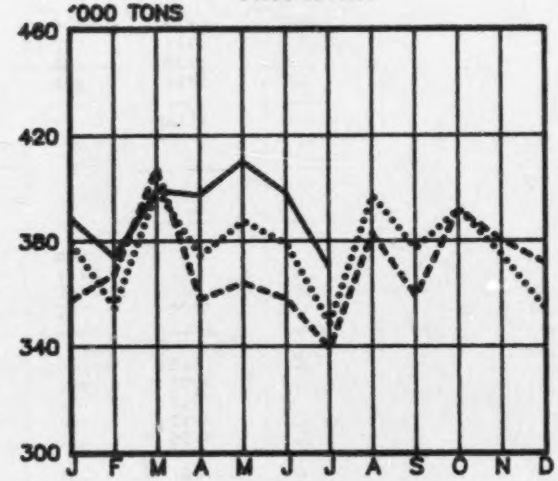
THIN PAPER

PRODUCTION



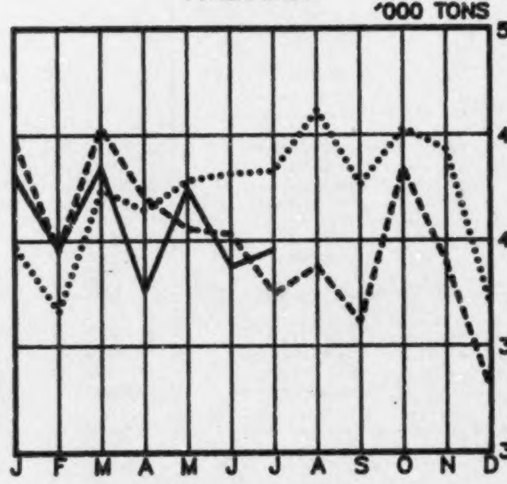
TISSUE PAPER

PRODUCTION



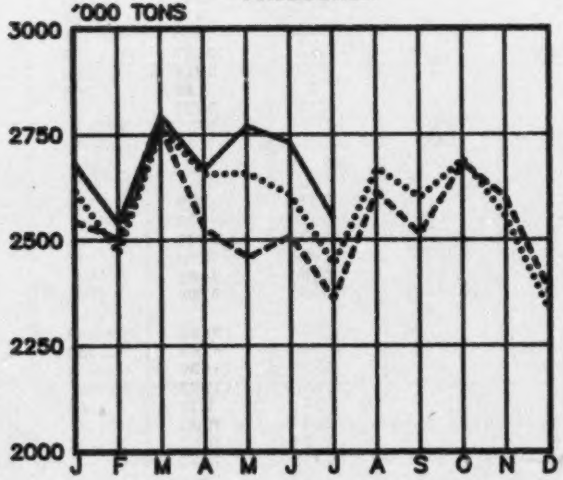
NEWSPRINT

PRODUCTION



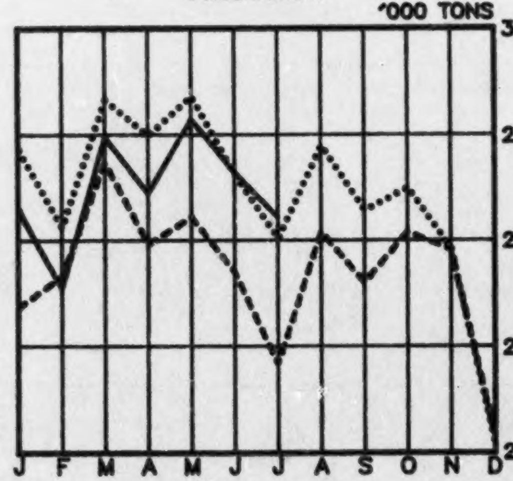
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1981 ········ 1982 ‐ ‐ ‐ ‐ ‐ 1983 ———

FIBROUS RAW MATERIALS (Continued)
(Thousands of Standard (128 cubic Feet) Cords)

		YEAR 81	YEAR 82	MARCH 83	APRIL 83	MAY 83	JUNE 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	78547	78518	7051	6770	6943	7154	82738	8.8
	- Total Consumpt.	79747	78038	7380	7182	7025	7188	85002	7.2
	- Residues *	30580	31152	2777	2727	2731	2848	32328	8.2
	- Inventories	6045	5426	5108	4778	4877	4763	4763	-17.0
So. Atlantic	- Total Receipts	24681	23708	2138	2242	2200	2184	25488	8.1
	- Total Consumpt	24815	23725	2258	2252	2123	2115	25812	8.5
	- Residues *	8770	8273	646	658	647	655	7734	-3.7
	- Inventories	1051	1165	803	892	878	1028	1028	12.8
Northeast	- Total Receipts	7803	7283	583	488	511	587	6750	-7.7
	- Total Consumpt	7712	7221	627	631	513	807	7288	-2.5
	- Residues *	1382	1452	118	85	87	107	1204	-13.0
	- Inventories	635	652	858	483	388	438	438	-18.1
South Central	- Total Receipts	27744	28510	2538	2328	2407	2448	28458	7.5
	- Total Consumpt	27887	27153	2570	2344	2482	2484	28802	4.5
	- Residues *	8923	8818	808	787	782	808	8118	8.5
	- Inventories	1825	1348	1330	1308	1238	1203	1203	-8.1
North Central	- Total Receipts	5850	5801	472	388	482	535	6238	17.8
	- Total Consumpt	5708	5708	558	514	550	541	6420	14.4
	- Residues *	1438	1517	158	128	154	150	1824	42.3
	- Inventories	1108	825	888	874	800	787	787	-2.7
West	- Total Receipts	13888	15358	1342	1338	1343	1410	15784	8.7
	- Total Consumpt	13825	15234	1347	1421	1377	1441	16502	10.8
	- Residues *	10088	11284	1048	1081	1071	1128	12448	14.8
	- Inventories	1428	1338	1232	1214	1287	1288	1288	-41.2

* - Consumption of Residues in Cord Equivalents.   SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 82 Tons	YEAR 82 $000	MAY 83 Tons	MAY 83 $000	JUNE 83 Tons	JUNE 83 $000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	87043	4711	11888	887	8385	425	86200	-7.1
Pulpwood Chips	1878793	51374	171818	4320	138874	3270	1855384	7.2
Wood Pulp, Total	3384194	1388888	283454	107335	328045	117712	3531032	8.1
Waste Fibrous Materials, Total	128748	23288	15783	2242	17877	2815	151418	20.0
Paper, Board & Products, Total	7707848	3272224	710868	288812	771888	303405	8072875	3.2
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	7865488	3201221	706652	278242	787085	287081	8024785	3.1
Paper Paperboard & Products	7327112	3182585	678500	278813	732832	288754	7843387	1.3
Paper & Paperboard, Only	7284883	3121582	674485	271043	728038	288440	7585287	1.2
Paper, Total	7171243	3083475	663183	268380	715822	285274	7445018	0.4
Newsprint	6484605	2730258	587407	235424	648701	252223	6718858	-1.1
Printing, Writing & Rel. Pap.	612780	310154	60080	28771	57102	27611	637622	18.2
Pack. & Ind. Conv. Paper	66300	48060	4474	3122	7867	4381	78521	15.3
Special Industrial Paper	1888	3123	210	348	303	473	2720	78.2
Tissue Paper	5680	3882	1011	714	850	808	8288	58.7
Paperboard, Total	113420	28117	11303	2883	12117	3187	150268	84.0
Convtd Paper&Paperbd Products	42448	71003	4014	8570	4784	8314	48080	18.7
Wet Machine Board	1302	737	358	223	287	188	3288	208.7
Construction Paper & Board	378533	78852	31808	8876	38780	8452	426212	53.8

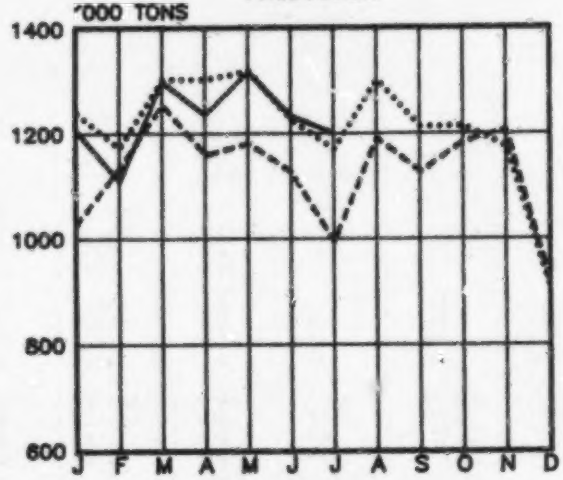
EXPORTS TO CANADA

Pulpwood, Roundwood (in cords of 128 cubic feet)	107700	7283	8434	848	5378	328	57588	-48.8
Pulpwood Chips	27650	1500	7141	377	3824	173	38084	18.8
Wood Pulp, Total	116067	54681	11534	4486	12538	5038	143748	18.1
Cotton Pulp & Other Pulp	6780	4152	1112	648	450	278	8074	33.1
Waste Paper	271385	32555	30110	3480	30358	3458	331278	31.5
Paper, Board & Products, Total	583208	442437	53582	37504	60038	38785	656808	28.0
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	383585	275107	37535	24340	43878	25882	458208	24.2
Paper, Paperboard & Products	561355	433689	50851	36508	55888	38282	622358	27.6
Paper & Paperboard, Only	361714	268358	34804	23422	38608	24480	423858	21.8
Paper, Total	188370	185357	18857	16371	23818	17573	237773	24.8
Newsprint	3037	2871	234	184	241	235	3558	46.7
Printing, Writing & Rel. Pap.	113443	85888	10231	8311	8834	7825	125290	10.1
Pack. & Ind. Conv. Paper	20288	13815	3402	1782	3354	2013	30884	78.3
Special Industrial Paper	47738	70111	4277	5736	10312	7380	73755	41.0
Tissue	3864	3082	513	338	275	311	4174	1.0
Paperboard, Total	173345	81001	16247	7051	15788	8807	185887	18.2
Convtd Paper&Paperbd Products	188840	167330	18047	13184	18060	13803	188698	41.8
Wet Machine Board	4365	2537	418	225	845	373	6749	33.8
Construction Pap & Bd. E	17487	8212	2213	683	3728	1138	27800	88.8

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square feet data

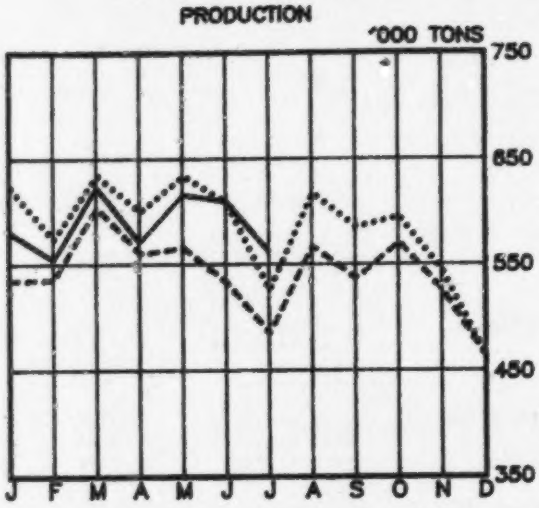
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



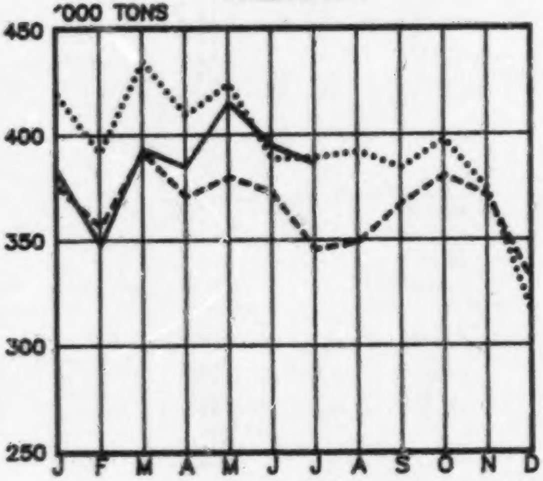
RECYCLED PAPERBOARD

PRODUCTION



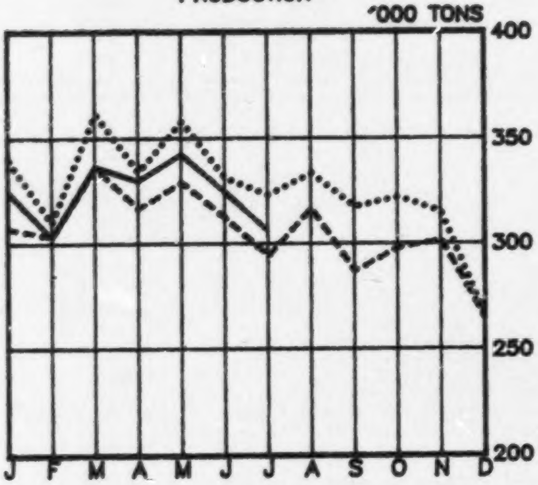
SEMICHEMICAL PAPERBOARD

PRODUCTION



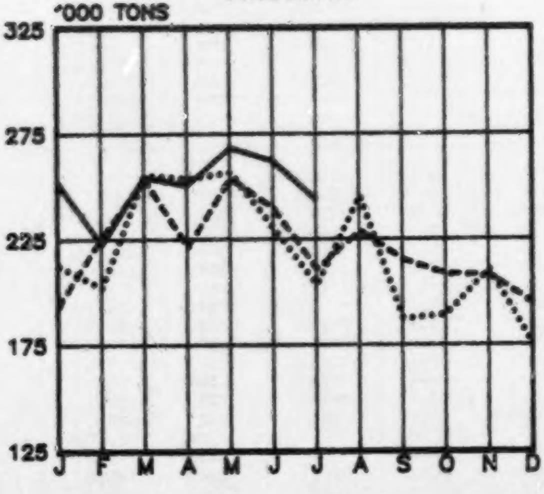
SOLID BLEACHED PAPERBOARD

PRODUCTION



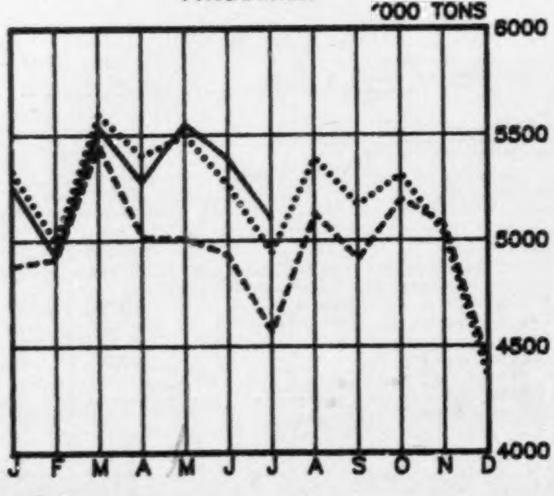
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1981 ········ 1982 ----- 1983 ———

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 82 Tons	82 $000	MAY 83 Tons	83 $000	JUNE 83 Tons	83 $000	(1) Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (cords)	87043	4711	11668	667	9385	425	96200	-7.1
Pulpwood Chips	1682414	51538	172032	4329	136753	3276	1863788	7.3
Total All Imports	11824303	5209303	1140595	469446	1211822	497478	12678226	7.6
Wood Pulp, Total	3855786	1493241	377688	135865	356629	128886	3895108	9.9
Waste Paper	74332	8450	9815	844	12439	1237	91696	22.0
Other Fibrous Materials	70176	24212	6680	1970	6528	2417	70420	4.1
Paper, Board & Products, Total	8024009	3882401	746408	330768	836226	384838	8622002	6.4
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	7817418	3344205	734966	294448	822884	325265	8488213	6.1
Paper, Ppbd & Prds ex Cnst&WMB	7602651	3584201	710182	322414	782626	355131	8148420	4.7
Paper & Paperboard, Only	7496060	3256005	698750	286085	778284	315558	8014630	4.3
Paper, Total	7381252	3226307	685574	282174	765427	311258	7853501	3.5
Newsprint	6530676	2748652	588839	235884	638387	255536	6787822	-0.5
Printing & Writing	764095	408551	78353	40070	94722	47876	953644	39.1
Uncoated Groundwood	514862	248198	53206	23780	65482	28595	833487	37.3
Uncoated Book	142626	80105	10304	5647	11251	6305	136252	1.5
Coated Print.& Impres. Par	69010	46763	8378	5254	10698	6550	112249	118.1
Bristols	381	416	30	32	34	33	356	-4.6
Writing and Similar Paper	25893	19225	5985	3618	5438	3277	50238	118.1
Thin (except Cigarette)	11283	13846	1440	1738	1840	2056	15052	41.4
Total Pkg & Other Paper	79653	63863	6319	5398	10304	7145	101844	31.6
Unbleached Kraft Paper	23078	10749	1537	654	4287	1708	38198	62.6
Other Pkg. & Indust. Paper	56575	53114	4782	4745	8008	5437	63746	18.1
Tissue	6828	5241	1063	812	1004	701	10091	51.8
Paperboard, Total	114808	29698	13176	3821	13867	4299	161129	73.8
Test or Containerboard	35983	8459	4212	1049	3814	1175	50216	78.3
Semi-Chemical Corrugating	47295	9679	4848	987	4887	1011	61761	69.5
Other Paperboard	31531	11560	4116	1885	5166	2114	49152	74.8
Convtd Paper&Paperbd Products	106591	338196	11442	36318	13332	39573	133790	30.7
Paper Products, Total	92059	307245	9230	30981	10826	33584	108121	20.3
Paperboard Products, Total	14532	30951	2212	5337	2506	5989	25669	105.6
Wet machine Board	1342	1239	408	311	312	214	3852	115.9
Construction Paper & Board	419515	88861	35810	8042	43288	8483	489831	49.3
Notes								
Other: No Weight Avail. ($000)		135346		10137		13627	127441	-2.3
Total Imports Incl. Other($000)		5344649		478583		511105	5340494	-0.1

EXPORTS

							(1)	
Pulpwood, Roundwood (cords)	111692	7475	8966	673	5378	328	58652	-50.1
Pulpwood Chips	2880133	231140	217353	14502	200030	14867	2568670	-15.9
Total All Exports	9872289	4315138	934915	359599	905801	356179	10638431	5.1
Wood Pulp, Total	3394648	1414558	311710	113883	323508	115885	3635734	1.7
Cotton Pulp and Other Pulp	104560	72327	7711	4999	7883	5382	87052	-16.2
Waste and Old Paper	2127050	238934	200800	24112	181355	22715	2347416	10.3
Paper, Board & Products, Total	4246041	2588319	414694	218586	382845	212388	4556228	6.0
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	3670413	1754352	362917	151786	346047	147384	3888814	5.8
Paper, Ppbd & Prod ex Cnst&WMB	4187119	2558943	409737	214074	385886	208551	4484706	5.8
Paper & Paperboard, Only	3811491	1723877	357860	149285	338088	144527	3815391	5.8
Paper, Total	840445	679069	65838	51031	72512	51672	787578	-15.4
Newsprint	307657	142864	24457	9528	30525	12633	283784	-15.9
Printing & Writing	246817	238135	15278	15789	15505	14718	188738	-23.7
Uncoated Groundwood	55916	48430	2481	2378	1931	1844	33801	-44.8
Clay Coated Paper	81373	65485	5205	4282	6121	4504	77150	-5.0
Uncoated Free Sheet	70589	75451	5382	6573	4587	5412	61884	-19.6
Other Printing & Writing	38729	48769	2211	2577	2866	2858	26803	-36.9
Total Pkg. & Other Paper	262861	271556	23870	23591	24865	22178	285660	-6.2
Unbleached Kraft	88068	38003	8430	2747	7250	3051	120183	31.0
Other Pkg. & Indust. Paper	173793	233553	15540	20844	17614	19127	165487	-22.2
Tissue	23310	25415	1834	2123	1616	2143	18417	-33.5
Paperboard, Total	2771046	1044808	292321	98234	286587	92855	3127813	12.9
Solid Wood Pulp	2612588	970814	278831	92325	251369	85677	2980387	13.5
Total Linerboard	1886183	542304	221076	55076	186813	46805	2206501	18.4
Bleached Kraft Linerboard	67595	26626	11732	5269	11041	4409	122223	119.3
Unbleached Kraft Linerbd	1818589	515677	209344	49808	175773	42396	2084278	16.3
Other Unbleached Kraft	139219	80780	4885	2925	7709	4241	108833	-35.0
Other Bleached Kraft	525733	349615	46548	33142	47719	32616	568367	4.0
Semi-Chemical Corrugating	81422	18116	4322	1182	8127	2015	98887	47.0
Recycled Paperboard	158478	74084	13480	5808	15217	7177	147426	2.1
Convtd Paper&Paperbd Products	575628	834966	51777	64808	46798	65024	568315	8.6
Paper Products, Total	315805	591163	27911	45083	25561	48222	308758	-8.0
Paperboard Products, Total	259823	243804	23866	19726	21237	16802	260557	28.8
Wet Machine Board	11069	5939	556	355	1557	703	14838	33.2
Construction Paper & Board E	47833	24437	4401	2167	5392	2134	56885	7.4
Notes								
Other: No Weight Avail. ($000)		8880		631		536	6689	-33.8
Total Exports Incl. Other($000)		4324128		360229		356715	4159854	-3.8

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES

1967 = 100

	81	82	APRIL	MAY	JUNE	JULY	Annual Rate Y-T-D 1982	% Change From Same Period Last Year
Pulp, Paper and Products except Building Grades	270.8	273.2	268.8	268.7	269.4	269.9	269.0	-2.3
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	272.4	275.9	271.4	271.7	272.0	272.5	271.7	-2.2
Total Wood Pulp	397.1	379.1	344.5	345.8	346.5	347.5	345.7	-12.7
Total Paper	279.8	286.3	278.7	279.1	279.6	281.7	279.4	-3.2
Total Paper, exc. Newsprint	271.1	278.3	272.7	273.6	274.2	274.8	273.5	-2.4
Newsprint	307.5	315.8	299.1	299.1	299.1	308.3	300.1	-6.0
Total Paperboard	258.1	254.9	248.4	248.9	249.8	249.5	247.2	-4.6
Total Paper and Paperboard #	273.1	276.5	269.2	269.6	270.2	271.6	269.3	-3.6
Converted Products	258.8	264.4	264.5	264.5	264.7	264.5	264.8	0.2
Waste Paper	175.7	121.1	116.0	116.0	116.0	116.0	116.0	-7.1
All Commodities	293.4	299.3	300.8	301.7	302.5	303.2	301.4	0.9
Industrial Commodities	304.1	312.3	312.6	313.8	315.4	316.6	314.2	1.0

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Paper and Allied Products Companies

Sales and Earnings

	Sales			Net Profit After Taxes[1/]			Earnings/Sales	
	1983 (Million	1982 Dollars)	Change 83/82 %	1983 (Million	1982 Dollars)	Change 83/82 %	1983 %	1982 %
33 Paper and Allied Products Companies								
First Quarter	10,149	9,550	+ 6.3	311.2	310.6	+ 0.2	3.1	3.3
Second Quarter	10,850	9,854	+10.1	395.6	337.6	+17.2	3.6	3.4
First Half	20,999	19,404	+ 8.2	706.8	648.1	+ 9.0	3.4	3.3
4 Forest Products Companies								
First Quarter	2,816	2,513	+12.1	59.0	71.1	-17.0	2.1	2.8
Second Quarter	3,356	2,803	+19.7	131.7	93.8	+40.3	3.9	3.3
First Half	6,171	5,316	+16.1	190.7	164.9	+15.6	3.1	3.1
11 Paper Related Companies								
First Quarter	28,630	30,489	- 6.1	901.9	979.8	- 8.0	3.2	3.2
Second Quarter	29,409	30,159	- 2.5	1,236.6	1,082.6	+14.2	4.2	3.6
First Half	58,039	60,648	- 4.3	2,138.5	2,062.4	+ 3.7	3.7	3.4
5 Canadian Pulp and Paper Companies[2/]								
First Quarter	1,441	1,592	- 9.4	-27.8	36.8	N.A.	N.A.	2.3
Second Quarter	1,720	1,517	+13.4	31.1	20.4	+52.9	1.8	1.3
First Half	3,161	3,108	+ 1.7	3.4	57.2	-94.1	0.1	1.8

1/ As published; income from current operation is used when published separately.

2/ Canadian Dollars

N.A. - Not applicable

NOTE: Detail does not always check because of rounding

Continued from Page 2

products 31%. Tonnages in the latter two categories are relatively small with only 161,000 tons per year of paperboard imported and 134,000 tons per year of converted products imported.

The increase in imports in June brought the quarterly total to a rate of 8.6 million tons per year. Exports of paper, paperboard and products in June declined slightly, retreating to the April level; the second quarter 1983 export rate was 4.7 million tons per year, the highest rate of exports since the first half of 1981.

The strength in production and imports brought the second quarter new supply to an annual rate of 66.7 million tons per year. This compares to the 66.4 million tons average rate achieved in the record year 1979.

The second quarter 1983 new supply was 1.4% above the first quarter rate and compares with the 2.2% increase in the real gross national product. The 44,000 tons per billion dollar average for the first half of 1983 was a marked recovery from the 1982 low of 42,350 tons and was above the average level of both 1980 and 1981.

Analysis of the new supply trends of the major grades of paper and paperboard showed that the strongest gains relative to real GNP occurred in the printing/writing grades, where the first half 1983 ratio moved to a new high. Tissue paper new supply also moved faster than real GNP in the first half 1983, but the packaging grades of paper continued to show a declining trend relative to real GNP.

New supply of all the major paperboard grades moved up faster than real GNP in the first half of 1983. For the most part, however, the average was below that achieved in 1981. One exception in recycled paperboard where the ratio of new supply to real GNP did match the 1981 average in the first half of 1983.

Wood Pulp

Production of wood pulp in the first half of 1983 was at the rate of 52.2 million tons per year, 2.6% above the corresponding 1982 level and slightly higher than the 52.0 million tons per year average for all of 1981. The 1981 production level was itself a record-high. Imports of wood pulp were quite strong, gaining 9.9% from the year-ago level but at 3.9 million tons per year during the first half they were below the 4.1 million tons average for 1981.

Continued on Page 12

Continued from Page 11

Total production of chemical paper grade pulp in the first half of 1983 was about 3.4% higher than in the first half of 1982 and above the 1981 average. Production of chemical paper grade market pulp showed a somewhat greater gain: at 5.1 million tons per year the rate was 5% over the first half 1982 level and compared favorably with the 4.86 million tons produced in 1981.

Imports of market pulp (which exclude the "tied" pulp from Canada) gained 9.9%, matching the gain in total imports. Exports of these grades of market pulp, reported by the API as production for export, showed a 9.0% gain; at 2.75 million tons per year the rate was 7.7% over the export rate for all of 1981. This brought the new supply rate in the first half of 1983 to 4.8 million tons per year, 5.2% over the comparable 1982 level but about 3% below the 4.94 million tons of new supply available in 1981.

Printing/writing papers are the major markets for chemical paper grade market pulp, production of which was up 9.2% and above the 1981 level. The smaller gain in new supply of chemical paper grade market pulp suggests that those integrated producers who normally buy market pulp are now purchasing a smaller percentage of their total requirements than they did in 1981.

Sales and Earnings

The table on page 10 shows data on sales and earnings for 33 paper and allied products companies, 4 forest products companies with major holdings in the paper industry, 11 other companies with major holdings in the paper industry and 5 Canadian paper companies. The Canadian data are shown in Canadian dollars.

(A similar table covering 30 paper and allied products companies presented in the July 1983 Monthly Statistical Summary showed an incorrect figure for the first quarter 1982 earnings. The correct figure was $315 million, which was slightly above the $307 million for the first quarter of 1983. The first half 1983 gain in earnings thus amounted to 6.0%. The addition of 3 more paper and allied products companies resulted in a slightly higher gain in the earnings total for the first quarter of 1983 over the comparable 1982 figure, and brought the increase in the first half to 9.0%, compared to an 8.2% gain in sales. Thus, the first half 1983 margin on sales for these 33 companies amounted to 3.4%, compared to 3.3% in 1982.)

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INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

August 8, 1983

	PRODUCTION (000 TONS)					
	July 83	June 83	July 82	Jan - July 83	Jan - July 82	% Change 83/82
PAPER GRADES	P	R				
Newsprint	417	410	400	2976	3020	-1.5
Printing & Writing	1350	1461	1225	9852	9018	9.2
Uncoated Groundwood (s)	122	127	122	853	831	2.7
Coated Paper (s)	456	482	401	3181	2879	10.5
Uncoated Free Sheet Paper (s)	664	731	604	4994	4537	10.1
Thin Paper (s)	24	30	24	196	193	1.5
Cotton Fiber Paper (s)	8	9	8	70	70	-1.0
Bleached Bristols (s)	77	81	67	558	509	9.6
Tissue Paper	370	398	339	2737	2552	7.2
Total Pkg & Other Paper	413	460	393	3155	3060	3.1
Unbleached Kraft Packaging & Indl. Converting (s)	285	312	270	2145	2117	1.3
Other Paper *	128	148	123	1010	943	7.1
TOTAL PAPER	2550	2729	2357	18720	17651	6.1
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1300	1330	1082	9224	8507	8.4
Unbleached Kraft Linerboard	1199	1232	993	8591	7871	9.2
Other Unbl. Kraft Paperboard	100	98	89	632	636	-0.7
Semichemical Paperboard	386	395	345	2704	2591	4.3
Bleached Paperboard	306	325	294	2266	2197	3.1
Recycled Paperboard	561	609	484	4112	3815	7.8
TOTAL PAPERBOARD	2553	2658	2206	18305	17111	7.0
TOTAL PAPER AND PAPERBOARD	5103	5387	4563	37025	34763	6.5

WOOD PULP (ALL GRADES)	June 83	May 83	June 82	Jan - June 83	Jan - June 82	% Change 83/82
Dissolving & Special Alpha	123	133	72	664	597	11.2
Bleached Sulfite	115	106	112	653	661	-1.1
Unbleached Sulfite	29	30	26	162	173	S.4
Bleached & Semi-Bl. Sulfate	1745	1824	1682	10532	10123	4.0
Unbleached Sulfate	1627	1664	1515	9648	9354	3.1
Semichemical	331	329	326	1911	1940	-1.5
Groundwood and Thermomechanical	421	434	428	2538	2598	-2.3
TOTAL PULP DIVISION DATA	4391	4520	4160	26109	25446	2.6

(s) - Shipments R - Revised E - Estimate
P - Preliminary * - Revised series based on A.P.I. data.

August 25, 1983	Full Year		INDUSTRY DATA			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1981	1982	May	June	July		
Total Production (API).......| excluding |...	62262	59488	5554	5387	5103	63472	6.5
Total Seasonally Adjusted....|construction|...			5313	5233	5423	62981	6.6
Imports (including Products).| and wet |..E	7941	7603	710	793	N.A.	8270	8.8
Exports (including Products).| machine |..E	4561	4187	410	386	N.A.	4478	5.8
Apparent Consumption.........| grades |...	65642a	62904b	5613	5640	5803	66773c	6.9
Paper Production % Tonnage Capacity...........	92.1m	87.7m	90.1	91.5	82.5	90.7mh	-
Paperboard Production % Tonnage Capacity......	90.6e	81.9m	90.6	88.8	83.0	88.3m	-
			April	May	June		
IMPORTS.....|Including Construction and |.....	8339	8024	699	746	836	8622	6.4
EXPORTS.....| WMB Grades (excl. HPB) |.....	4641	4246	392	413	393	4556	6.0
MARKET WOOD PULP PRODUCTION - Tons (000)...!.....	6210	5732	548	584	547	5440	6.5
TOTAL WOOD PULP PRODUCTION - Tons (000)..(P)....	52041	48367	4308	4520	4391	52217	2.6
WOOD PULP IMPORTS - TONS (000)...................	4087	3656	301	378	357	3895	9.9
WOOD PULP EXPORTS - TONS (000)...................	3678	3395	346	312	324	3636	1.7
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS | excluding |			April	May	June		
Wood Pulp.............|consumption for|.....	50698	48154	4153	4379	4311	50576	2.5
Waste Paper...........|construction & |.....	13875	13525	1164	1221	1205	14248	4.7
TOTAL..........| WMB grades |.....	64573	61679	5317	5600	5516	64824	3.0
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	79747	79039	7162	7025	7188	85002	7.2
EMPLOYMENT (000)			May	June	July		
Paper and Allied Products..........Total......	688.5	662.0	654.9	662.4	661.8	653.6	-1.8
Pulp, Paper and Board Mills........Total.....E	267.3	257.8	252.6	254.3	254.3	252.4	-2.7
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products......................	8.60	9.32	9.81	9.90	10.09	9.78	7.0
Pulp, Paper Mills.............................E	10.05	10.88	11.49	11.66	11.80	11.46	7.8
Paperboard Mills..............................E	10.23	11.13	12.03	12.05	12.15	11.87	9.4
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1982 Q3	1982 Q4	1983 Q1		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	6.72	5.97	5.71	6.02	5.84	6.03y	1.0
INDEX OF OUTPUT PER MAN-HOUR (1977=100).........			May	June	July		
|IN PULP, PAPER |...Production Workers..........	108.2	109.9	120.4	117.8	119.1	119.6	10.5
|AND BOARD MILLS|...All Employees..............	107.5	108.3	118.9	116.5	117.9	117.8	10.3
PAPER AND ALLIED PRODUCTS (Million $)			April	May	June		
Industry Shipments (Dept. of Commerce)*.......	80251	78992	6994	6918	7062	82102	3.8
Pulp, Paper and Paperboard*..................	35116	33523	2937	2910	3019	34756	2.2
Inventories (End of Period) - Total Industry*.	8641	8607	8304	8347	8335	8335	-3.0
Pulp, Paper and Paperboard*..................	3224	3365	3302	3305	3288	3288	-1.7
			1982 Q3	1982 Q4	1983 Q1		
Sales (Corporations Only, FTC).................	62699	60293	14813	14939	15524	62096	2.6
Earnings (Corporations Only, FTC)..............	3110	1460	408	198	441	1764	5.5
Depreciation (Corporations Only, FTC)..........	2267	2379	602	595	641	2564	10.5
Net Worth (Corporations Only, FTC).............	26558	26705	26795	26705	26995	26995	0.6
PRICE INDEXES (Bureau of Labor Stats)1967=100			May	June	July		
Pulp, Paper & Products, ex. Building Grades...	270.8	273.2	268.7	268.4	269.9	268.0	-2.3
Wood Pulp......................................	387.1	379.1	345.8	346.5	347.5	345.7	-12.7
Waste Paper....................................	175.7	121.1	116.0	116.0	116.0	116.0	-7.1
Paper..	279.8	286.3	279.1	279.6	281.7	279.4	-3.2
Paperboard.....................................	258.1	254.9	248.9	249.6	249.5	247.2	-4.6
PAPER DEMAND (INDEXED: 1967=100)			May	June	July		
Total Paper Production *......................	148.3	145.4	153.6	152.7	157.2	152.9	6.1
Paper New Supply *............................	137.7	135.1	144.6	147.3	149.2	143.2	7.0
Total End - Use Index *......................	150.3	149.5	152.8	154.5	156.0	152.5	1.8
Production of Nondurable Goods *...(19%)..	164.7	156.1	165.1	166.9	168.6	163.0	4.5
Disposable Income (Constant $) *...(23%)..	154.3	157.8	161.8	162.1	164.3	161.4	2.7
Total Printing and Publishing *...(58%)..	144.0	144.0	145.2	147.5	148.5	145.4	0.6
Trend Factor	----------	----------	----------	-Not Available-	----------	----------	----------
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *................	137.1	127.3	138.5	135.1	140.9	135.7	7.1
Production for Domestic Use	132.3	122.7	131.6	128.5	135.7	129.9	6.8
Total End - Use Index *.....................	149.3	139.5	146.4	148.0	150.7	144.3	2.6
Production of Consumer Goods *...(60.48%)	147.8	142.7	149.9	151.4	154.0	147.8	3.5
Production of Equipment *...(6.62%)	151.8	139.8	137.0	136.5	139.8	136.2	-4.7
Production of Materials *...(32.89%)	151.5	133.7	141.8	143.6	146.0	138.5	2.4
Trend Factor	----------	----------	----------	-Not Available-	----------	----------	----------
NEWSPRINT MARKETS			April	May	June		
Consumption by Publishers - Tons (000).........	11205	11150	966	1013	945	11266	2.7
Newspaper Pub. and Printing Empl. Total(000)..	419.8	417.5	417.0	418.7	422.2	417.2	-0.2
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)..........	123182	120751	10915	12594	9776	125278	5.3
WHOLESALERS SALES AND INVENTORIES (Million $)(J)							
Total Paper & Pap. Prdcts..ex Wallpaper..Sales	23603	22776	1883	1980	2078	23586	3.9
Inventories (End of Period)	1971	1885	1969	2082	2112	2112	9.8
FIBRE BOX DATA (Fibre Box Association)			May	June	July		
Fibre Box Shipments (Million square Feet)......	246152	235185	20776	22051	19582	245816	5.3
Container'bd Inventory at Mill & Plant(000Tons)	2729	2584	2463	2511	2500	2500	-3.6
RETAIL TRADE (Million $)							
Total Retail Sales *..........................	1047118	1074487	98431	98685	98656	1145067	7.8
Nondurable Goods Stores Sales *...............	731201	753568	66307	66350	66258	781344	4.6
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	150.9	138.6	144.4	146.0	148.3	142.4	1.5
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	293.4	299.3	301.7	302.5	303.2	301.4	0.9
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 100)..	272.4	289.1	297.1	298.1	299.3	295.7	3.3
			April	May	June		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	331.7	344.9	344.7	347.2	353.0	353.0	6.2
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billions$).			1982 Q4	1983 Q1	1983 Q2		
G.N.P. or Expenditure - Current $.............	2954.1	3073.0	3109.6	3171.5	3270.0	3220.8	5.7
G.N.P. or Expenditure - 1972 $................	1513.8	1485.4	1480.7	1490.1	1523.4	1506.8	1.3

lb/capita Pap&Papbd	Othr	Totl	Popul(mil)
.a - 572	+ 21 =	593	229.8
.b - 543	+ 15 =	558	232.0
.c - 572	+ 18 =	590	233.6

.E - Last month estimated by API
.e - estimated by API

m - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
J - Census unpublished data; standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter

R - Revised
RS - Revised Series
y - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted

10/10/83
A2500-2

Paper
Paperboard
& Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 61 - No. 9 **September, 1983**

Paper and Paperboard Production: Record-High Rates

August paper and paperboard production continued its strong uptrend in August. The August production total, as shown in the table on page 3, was 5,618,000 tons, marking the first time the monthly total moved above 5.6 million tons.

The seasonally adjusted rate of production held near the July level of 65.3 million tons a year in August, so that the trend level (average of the July and August seasonally adjusted data) was 65.1 million tons per year. The rate of total paper and paperboard production in the first 8 months of 1983 averaged 63.2 million tons per year, 6.9% ahead of the comparable 1982 rate and well above the 1981 high of 62.3 million tons.

The major strengths continued to be in the printing and writing paper grades, with production moving above 17 million tons per year for the January-August 1983 period, 9.4% ahead of its comparable year-earlier rate and marking the first time that the rate moved above the 17 million-ton level. Within this group, the strongest production trends continued to be in coated papers -- up 10.8% -- and uncoated free sheet papers -- up 10.0%. New orders for these two grades have been coming in well above the shipments level, bringing the backlog of unfilled orders for coated papers 67% ahead of its year-ago level as of the end of August 1983 and the backlog of uncoated free sheet papers 85%. The strength in demand for coated papers continues to reflect strengths in shipments to its major markets -- magazines, other periodicals and commercial printing. Shipments of uncoated free sheet papers to such major markets as office reprographics, business forms converters, and stationery & tablet converters all showed gains above that for the grade as a whole. Shipments to book publishers, however, have not quite kept pace with their 1982 rate.

Continued on Page 2

Continued from Page 1

The rate of newsprint production made a slight recovery in July and August, to bring the year-to-date total back to its year-ago level. Stocks of newsprint at publishers leveled out, with the July rate of 45 days of supply equal to the rate of the first two months of the year. In July 1982, however, publishers had 57 days of supply on hand. Consumption of newsprint at publishers moved to a new high in July 1983 of 11.9 million short tons per year.

The rate of production of packaging and similar paper also strengthened in July and August, with the August trend rate at 5.8 million tons per year. For the entire January-August period, production of these grades was at an annual rate of 5.5 million tons, 4.4% ahead of its year-ago rate.

The strength evident in the various grades brought the trend rate of total paper in August 1983 to a record-high 33 million tons per year. For the entire 8-month period, the seasonally adjusted rate of paper production averaged 32.2 million tons per year, 6.6% ahead of its year-earlier rate and 3.6% above its 1981 high.

While total paperboard production has shown a larger gain than paper in the January-August period, up 7.3% from its comparable year-earlier level, the seasonally adjusted average production rate of 31.1 million tons per year remained a little below the 1981 high of 31.2 million tons. As the table on page 3 shows, production of containerboard for domestic use gained 7.9% over its year-ago level; boxboard 3.1%. In each instance the average rate was below its respective 1981 rate. However, production of other paperboard for domestic use -- largely non-packaging grades such as gypsum wallboard facings and panelboard -- were up 9%, with the year-to-date rate above that of 1981. This category also includes tube, can and drum stock; production of the recycled grades of this category has been particularly strong so far this year. Paperboard production for export continued to hold the gains evident earlier this year, with the 8-month 1983 total 9.1% above its year-earlier level at a rate of nearly 3 million tons per year. This compares to the 2.6 million tons average for 1981 and 1982.

Continued on Page 10

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS

(Thousands of Tons)

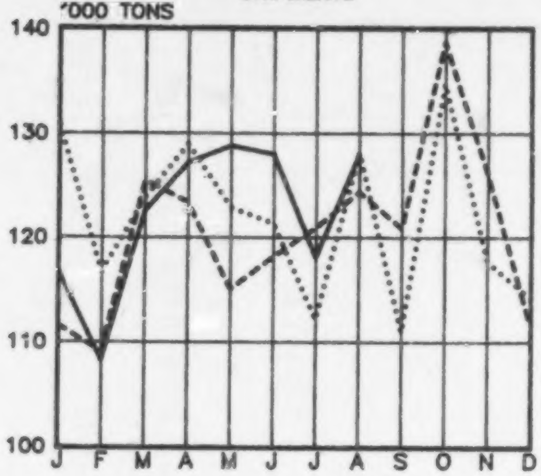
	YEAR		MAY	JUNE	JULY	AUG.	Annual Rate Y-T-D	% Change from same Period Last Year
	81	82	83	83	83	83	83	
PAPER					R	P		
Newsprint - Production	5239	5042	440	410	417	458	5150	0.1
- Shipments	5220	4988	445	435	436	456	5098	1.4
Printing & Writing	15722	15643	1455	1467	1334	1511	17029	9.4
Groundwood Paper - Shipments	1463	1459	129	128	118	128	1467	2.3
- New Orders	1449	1465	126	131	135	163	1550	5.4
- Unfilled Orders	100	91	94	99	114	145	145	43.8
Coated Paper - Shipments	4940	5032	468	481	453	503	5520	10.8
- New Orders	4853	4998	509	543	504	552	5857	17.8
- Unfilled Orders	360	325	398	457	525	565	565	67.1
Unctd Free Sheet - Shipments	7898	7847	734	732	649	756	8604	10.0
- New Orders	7735	7820	751	744	752	790	9027	15.8
- Unfilled Orders	370	321	470	490	598	620	620	85.1
Thin Paper - Shipments	336	323	28	30	24	28	335	1.5
Cotton Fiber Paper - Shipments	125	118	11	9	9	11	122	1.8
Bleached Bristols - Production	960	865	85	87	81	86	981	12.6
Tissue Paper - Production	4518	4438	410	391	379	390	4692	6.6
Total Packaging & Other Paper *	5552	5300	464	460	425	513	5521	4.4
Unbl. Kraft Paper - Shipments	3880	3688	304	312	294	348	3754	2.6
Other Paper - Production *	1672	1612	160	148	131	165	1767	8.5
TOTAL PAPER-Production-Unadj.	31030	30422	2768	2728	2554	2872	32392	6.6
-Production-S.A.			2680	2664	2749	2761	32159	6.6
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	24231	22589	2170	2049	1994	2126	24482	7.0
Unbl. Kraft Linerboard (1)	14540	13494	1317	1232	1194	1305	14836	9.2
Production for Export	1887	1931	202	188	185	190	2223	11.8
Other Unbl. Kraft Paperboard	1062	1040	96	98	107	89	1092	-0.7
Semichemical Paperboard	4719	4389	415	395	386	406	4665	5.8
Production for Export	155	185	20	15	20	21	219	14.3
Solid Bleached Paperboard	3810	3665	342	325	307	327	3890	3.1
Production for Export	557	525	44	53	35	31	52[illegible]	-4.4
Recycled Paperboard	7001	6476	616	609	568	620	7111	8.2
Production for Export	24	13	3	6	2	1	26	87.1
TOTAL PAPERBOARD-Prod.-Unadj.	31232	29065	2786	2658	2563	2747	31593	7.3
- Containerboard Prod.(Dom. Use)	19040	17508	1671	1588	1525	1668	18956	7.9
- Boxboard Prod.(Dom. Use) (2)	5544	5150	473	446	427	460	5434	3.1
- All Other P'bd Prod.(D.U.) (2)	4026	3753	374	362	368	377	4212	9.0
- Total Paperbd Prod. For Export	2622	2654	268	262	243	242	2981	9.1
TOTAL PAPERBOARD PROD. - S.A.			2633	2569	2690	2643	31078	7.3
TOTAL PAPER AND PAPERBOARD Production - actual	62262	59488	5554	5386	5118	5618	63985	6.9
Production - S.A.			5313	5232	5439	5404	63237	6.9

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* Revised series based on A.P.I. data, beginning January, 1981.

P Preliminary
R Revised
S.A. Seasonally Adjusted

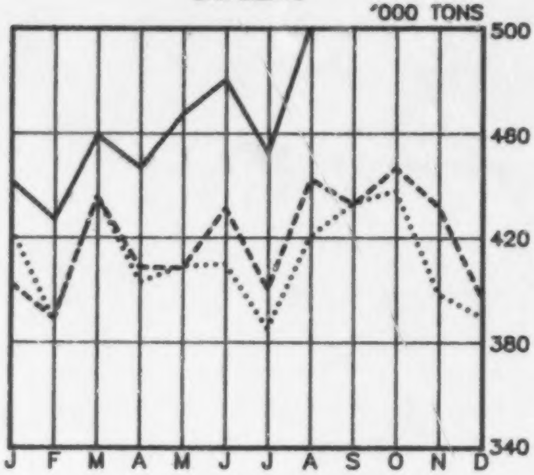
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



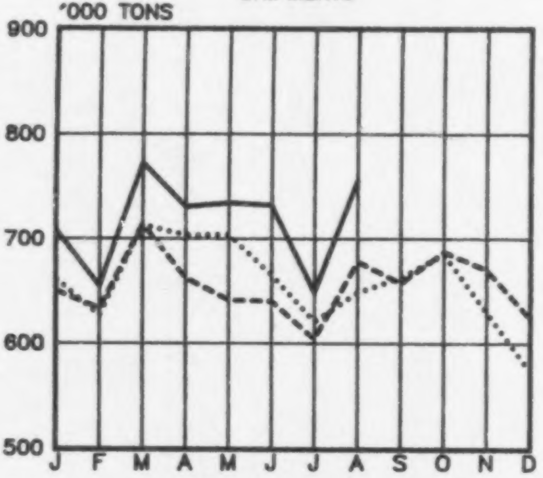
COATED PAPER

SHIPMENTS



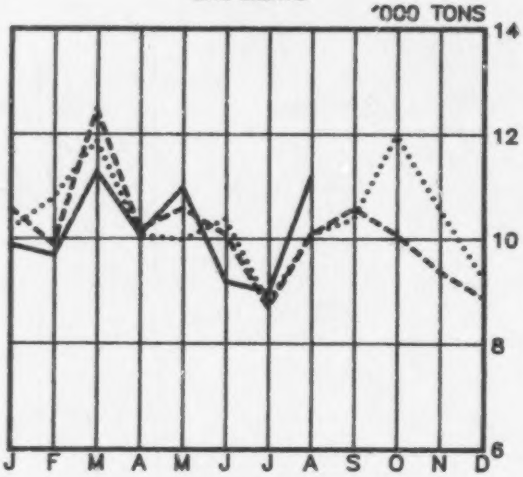
UNCOATED FREE SHEET PAPERS

SHIPMENTS



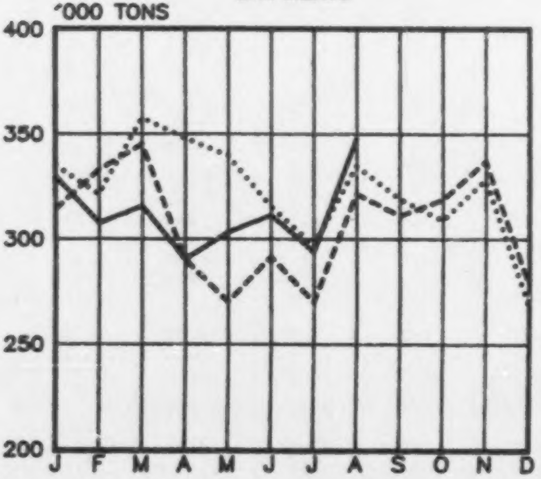
COTTON FIBER PAPER

SHIPMENTS



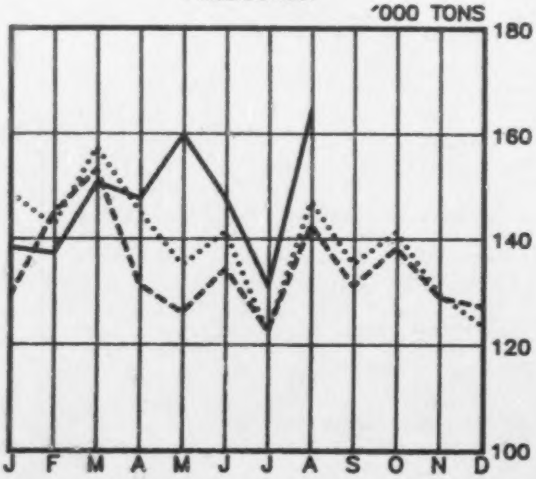
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1981 ········ 1982 - - - - 1983 ———

WOOD PULP STATISTICS
(Thousands of Tons)

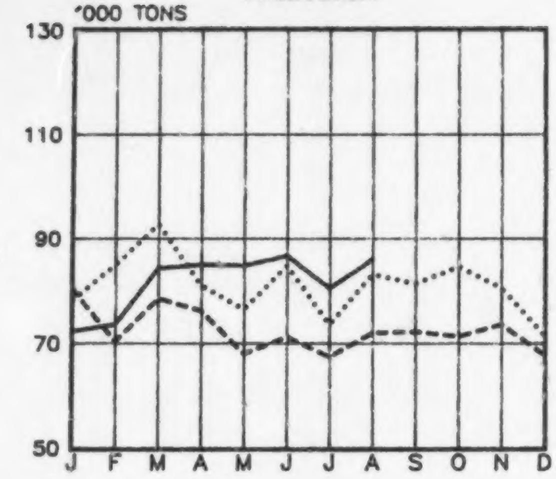
	YEAR		APRIL	MAY	JUNE	JULY	Annual Rate Y-T-D	% Change From same Period Last Year
	81	82	83	83	83	83	83	
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	52041	49367	4308	4520	4409	4114	51840	3.6
- Imports	4087	3656	301	378	357	327	3899	10.4
- Exports	3678	3395	346	312	324	259	3560	1.4
- New Supply	52450	49628	4262	4585	4443	4182	52180	4.3
Dissolving Pulp - Production	1353	1092	85	133	123	72	1262	12.7
- Imports	249	186	14	24	13	21	218	19.1
- Exports	784	631	78	40	50	31	594	-4.2
- New Supply	818	647	31	117	87	62	887	29.8
Paper Grades Chemical Pulp - Production	41445	39478	3505	3624	3531	3325	41716	4.5
- Imports	3615	3302	269	342	328	291	3516	10.1
- Exports	2870	2736	263	267	268	224	2917	1.5
- New Supply	42230	40044	3511	3698	3591	3392	42315	5.2
Groundwood and Thermo-Mech. - Production	5320	5097	393	434	420	407	5048	-2.1
- Imports	183	167	18	12	15	15	165	5.3
- Exports	24	27	4	5	5	3	48	168.3
- New Supply	5478	5237	407	441	430	418	5164	-2.4
Semi-Chemical - Production	3924	3699	314	329	335	310	3814	-0.7
- Imports	0	0						
- Exports	0	0	------ Included with Groundwood Pulp ------					
- New Supply	3924	3699	314	329	335	310	3814	-0.7
MARKET WOOD PULP								
Total Market Wood Pulp - Production	6210	5732	548	584	548	495	6369	8.9
- Imports	2924	2443	209	305	263	233	2829	16.0
- Exports	3352	3143	297	289	321	269	3448	8.0
- New Supply	5782	5031	461	599	490	459	5750	12.9
Dissolving Pulp - Production	1352	1089	96	133	123	72	1263	12.8
- Imports	241	194	11	23	12	22	213	16.1
- Exports	787	675	52	49	85	45	704	5.8
- New Supply	806	608	55	106	50	49	773	21.1
Paper Grades Chemical Pulp - Production	4857	4643	452	450	423	422	5093	7.7
- Imports	2634	2202	194	277	249	209	2588	17.1
- Exports	2555	2468	245	240	236	224	2744	8.5
- New Supply	4936	4377	400	487	436	407	4937	12.0
Groundwood Pulp and All Other - Production	2	1	1	2	1	1	13	0.0
- Imports	49	46	5	4	2	2	28	-38.3
- Exports	10	0	0	1	0	0	1	0.0
- New Supply	40	47	6	5	4	3	39	-12.4

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

FIBROUS RAW MATERIALS
(Thousands of tons)

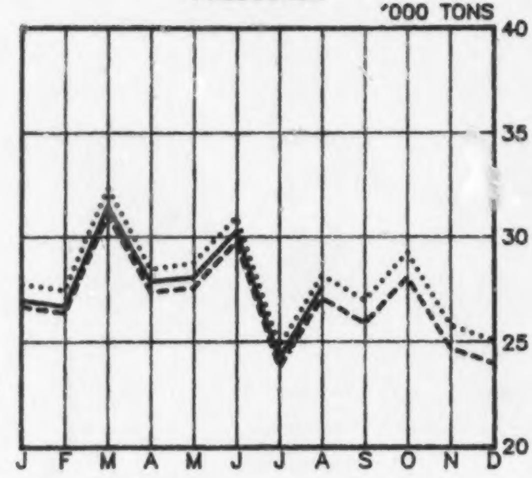
CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	64573	61679	5317	5600	5534	5118	64368	3.8
Total Wood Pulp	50698	48154	4153	4379	4329	3990	50222	3.3
Waste Paper	13875	13525	1164	1221	1205	1128	14146	5.5
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	188	177	198	208	201	208	208	10.6
Market Pulp at Pulp Mills	393	437	429	434	425	452	452	1.5
Mkt Pulp at Ppr. & Bd. Mills *	454	492	518	528	515	499	499	18.8
Waste Paper at Paper &Bd. Mills	1211	1017	828	812	856	854	854	-17.6
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	33	37	31	30	30	33	33	-8.3

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons



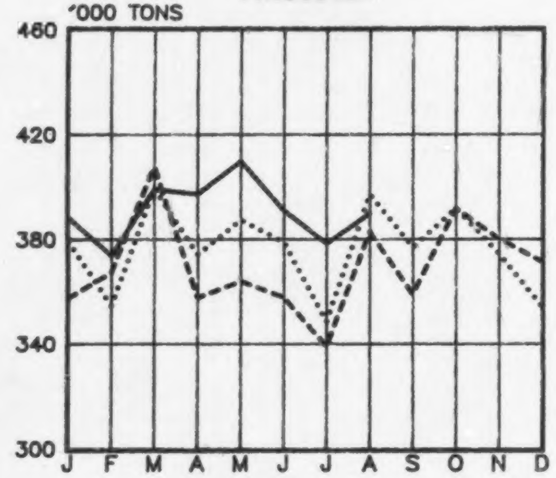
BLEACHED BRISTOLS

PRODUCTION



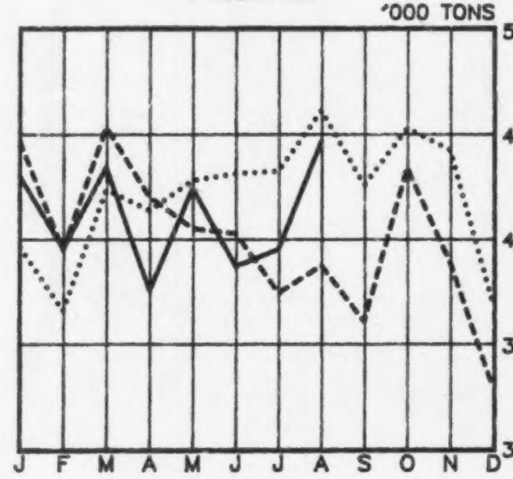
THIN PAPER

PRODUCTION



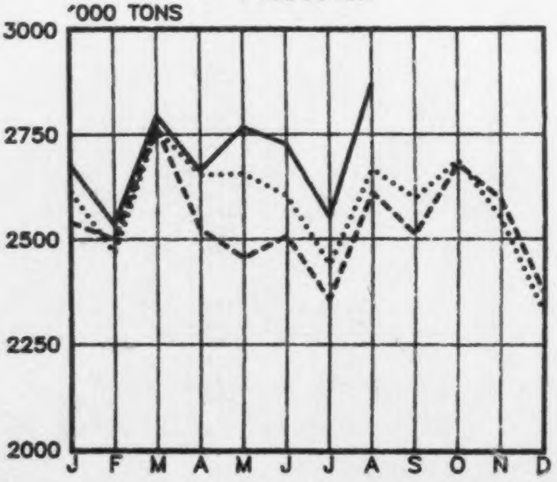
TISSUE PAPER

PRODUCTION



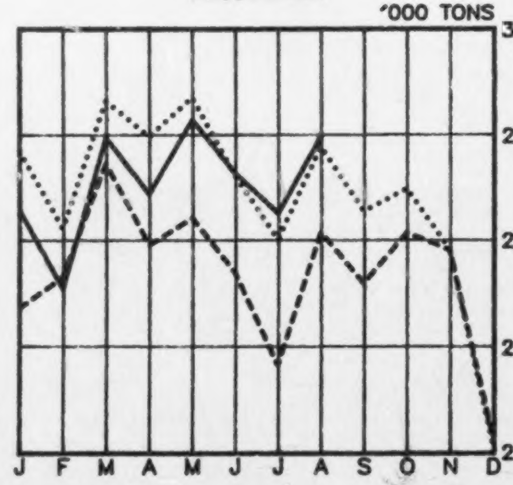
NEWSPRINT

PRODUCTION



TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION

1981 .... 1982 - - - - - 1983 ———

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic Foot) Cords)

		YEAR 81	 82	APRIL 83	MAY 83	JUNE 83	JULY 83	Annual Rate Y-T-D 83	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	79547	78518	6770	6943	7154	6821	82611	5.2
	- Total Consumpt.	79747	79039	7162	7025	7188	6801	84518	7.1
	- Residues *	30590	31152	2727	2731	2846	2644	32241	7.2
	- Inventories	8045	5426	4779	4677	4763	4952	4952	-1.4
So. Atlantic	- Total Receipts	24681	23769	2242	2200	2164	2012	25305	8.6
	- Total Consumpt	24815	23725	2252	2123	2115	1983	25610	9.7
	- Residues *	8770	8273	658	647	635	621	7694	-3.0
	- Inventories	1051	1165	892	978	1028	1090	1090	18.3
Northeast	- Total Receipts	7803	7283	468	511	597	532	6698	-9.4
	- Total Consumpt	7712	7221	631	513	607	550	7171	-3.0
	- Residues *	1362	1452	95	97	107	59	1133	-18.5
	- Inventories	635	652	483	396	439	443	443	-23.8
South Central	- Total Receipts	27744	26510	2328	2407	2448	2420	28541	7.6
	- Total Consumpt	27687	27153	2344	2462	2484	2366	28829	4.4
	- Residues *	8923	8616	767	762	806	771	9135	8.9
	- Inventories	1825	1346	1306	1236	1203	1259	1259	-2.1
North Central	- Total Receipts	5650	5601	396	482	535	514	6228	15.3
	- Total Consumpt	5708	5706	514	550	541	499	6358	12.9
	- Residues *	1439	1517	126	154	150	140	1803	38.6
	- Inventories	1108	925	874	800	797	805	805	-6.2
West	- Total Receipts	13669	15356	1336	1343	1410	1343	15840	4.4
	- Total Consumpt	13825	15234	1421	1377	144[illegible]	1403	16550	10.9
	- Residues *	10096	11294	1081	1071	1128	1053	12475	12.9
	- Inventories	1428	1338	1214	1267	1296	1355	1355	-1.6

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 82 Tons	 $000	JUNE 83 Tons	 $000	JULY 83 Tons	 $000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	87043	4711	9385	425	8561	372	97133	-0.9
Pulpwood Chips	1678793	51374	136674	3270	163254	3915	1955916	9.3
Wood Pulp, Total	3364194	1386688	326045	117712	289752	1045[illegible]7	3523317	8.2
Waste Fibrous Materials, Total	129749	23299	17677	2615	14089	2181	153938	23.2
Paper, Board & Products, Total	7707948	3272224	771889	305405	657501	263305	8046751	5.1
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	7665499	3201221	767095	297091	652753	254810	7997400	5.0
Paper Paperboard & Products	7327112	3192595	732832	296754	613892	254111	7603843	3.4
Paper & Paperboard, Only	7284663	3121592	728039	288440	609144	245616	7554493	3.3
Paper, Total	7171243	3093475	715922	285274	597165	242544	7405154	2.6
Newsprint	6484605	2730256	649701	252223	535048	211039	6676245	1.3
Printing, Writing & Rel. Pap.	612760	310154	57102	27611	56072	27367	642657	16.5
Pack. & Ind. Conv. Paper	86300	46060	7867	4361	4722	3043	73685	12.4
Special Industrial Paper	1899	3123	303	473	215	341	2700	71.5
Tissue Paper	5680	3882	950	606	1107	753	9868	68.9
Paperboard, Total	113420	28117	12117	3167	11979	3071	149338	59.7
Convtd Paper&Paperbd Products	42449	71003	4794	8314	4748	8495	49351	21.3
Wet Machine Board	1302	737	297	199	280	184	3305	200.5
Construction Paper & Board	379533	78892	38760	8452	43329	9010	439603	44.3

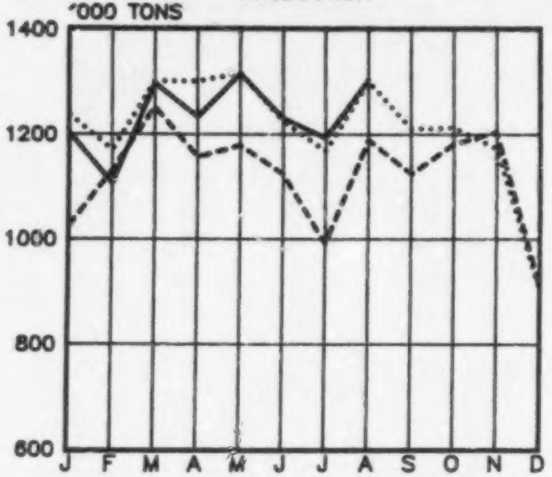
EXPORTS TO CANADA

	YEAR 82 Tons	 $000	JUNE 83 Tons	 $000	JULY 83 Tons	 $000	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	107700	7263	5378	329	3659	168	55834	-50.9
Pulpwood Chips	27650	1500	3624	173	4810	301	40898	36.1
Wood Pulp, Total	116087	54691	12538	5039	8298	3371	137438	18.5
Cotton Pulp & Other Pulp	6790	4152	450	279	1488	533	9471	57.7
Waste Paper	271385	32555	30358	3458	26268	3032	328983	31.8
Paper, Board & Products, Total	583206	442437	60039	39795	47523	31754	644531	27.9
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	383566	275107	43975	25992	33301	20343	448975	23.0
Paper, Paperboard & Products	561355	433689	55666	38282	45488	30996	611425	26.9
Paper & Paperboard, Only	361714	266359	39606	24480	31344	19565	416869	21.3
Paper, Total	188370	185357	23816	17573	16247	13824	231658	23.4
Newsprint	3037	2671	241	235	566	432	4020	42.9
Printing, Writing & Rel. Pap.	113443	95899	9634	7625	8498	6650	121960	9.6
Pack. & Ind. Conv. Paper	20289	13815	3354	2013	2745	1491	31271	72.3
Special Industrial Paper	47736	70111	10312	7390	4321	5108	70627	38.5
Tissue	3864	3062	275	311	118	144	3781	-1.9
Paperboard, Total	173345	81001	15789	6907	15097	5761	185211	18.7
Convtd Paper&Paperbd Products	199640	167330	16060	13803	14142	11411	194556	41.0
Wet Machine Board	4365	2537	645	373	217	168	6156	22.0
Construction Pap & Bd. E	17487	8212	3728	1139	1820	590	26949	58.5

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

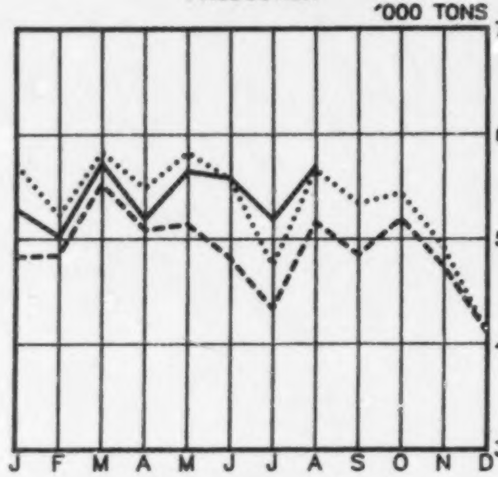
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



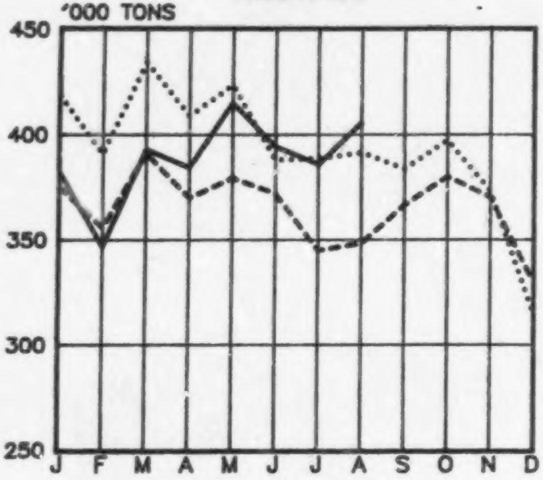
RECYCLED PAPERBOARD

PRODUCTION



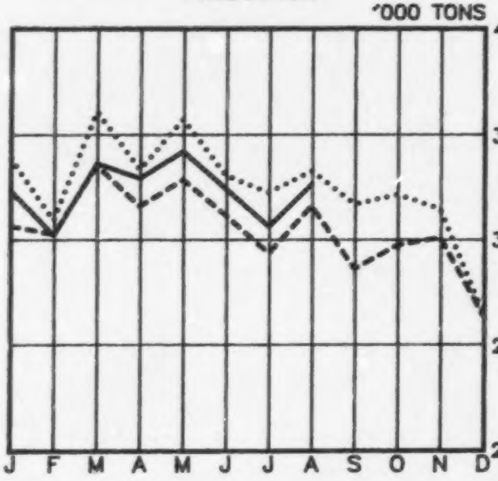
SEMICHEMICAL PAPERBOARD

PRODUCTION



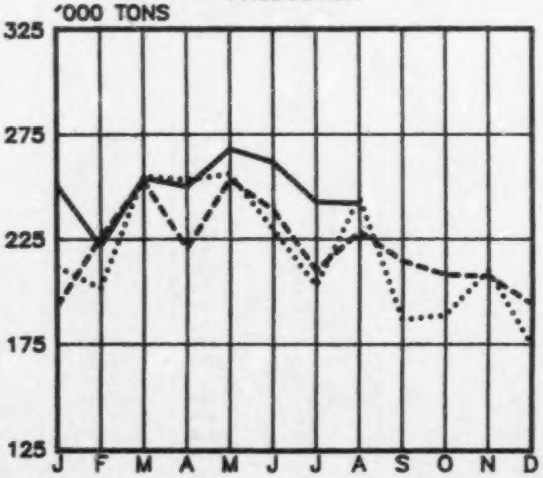
SOLID BLEACHED PAPERBOARD

PRODUCTION



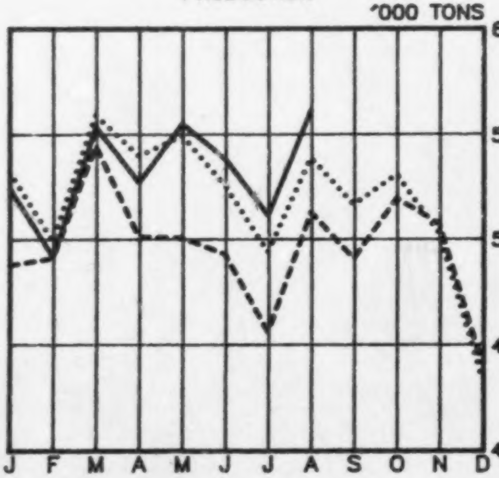
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1981 ┈┈┈ 1982 ╌╌╌ 1983 ———

PULP, PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 82 Tons	82 $000	JUNE 83 Tons	83 $000	JULY 83 Tons	83 $000	(1) Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulpwood, Roundwood (cords)	87043	4711	9385	425	8561	372	97133	-0.9
Pulpwood Chips	1682414	51538	136753	3276	163257	3916	1963116	9.4
Total All Imports	11824303	5209303	1211822	497478	1043905	429266	12657459	8.9
Wood Pulp, Total	3655786	1493241	356629	128986	326754	115881	3898814	10.4
Waste Paper	74332	9450	12439	1237	10270	1018	96202	32.0
Other Fibrous Materials	70176	24212	8528	2417	4530	1826	68125	-0.5
Paper, Board & Products, Total	8024009	3682401	836226	364838	702351	310541	8594318	8.1
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	7917418	3344205	822894	325265	689886	274084	8458272	7.8
Paper, Ppbd & Prds ex Cnst&WMB	7602651	3594201	792626	355131	654518	900107	8106391	6.6
Paper & Paperboard, Only	7496060	3256005	779294	315558	642053	263650	7970344	6.2
Paper, Total	7381252	3226307	765427	311258	629671	260292	7811008	5.5
Newsprint	6530676	2748652	659397	255536	538250	212130	6740847	1.6
Printing & Writing	764085	408551	94722	47876	83811	42201	961084	39.4
Uncoated Groundwood	514882	248196	65462	29595	51160	23169	635843	35.0
Uncoated Book	142626	80105	11251	6365	11631	6449	136726	3.7
Coated Print.& Impres. Pap	69010	46763	10698	6550	13311	7984	119032	125.5
Bristols	391	416	34	33	17	18	334	-3.6
Writing and Similar Paper	25893	19225	5438	3277	7061	3638	55166	140.2
Thin (except Cigarette)	11293	13846	1840	2056	631	943	13983	36.0
Total Pkg & Other Paper	79653	63863	10304	7145	6453	5123	98443	28.6
Unbleached Kraft Paper	23078	10748	4297	1708	1870	790	35948	58.7
Other Pkg. & Indust. Paper	56575	53114	6008	5437	4583	4333	62495	16.0
Tissue	6828	5241	1004	701	1158	837	106[illegible]4	57.6
Paperboard, Total	114808	29698	13867	4299	12381	3358	159335	68.4
Test or Containerboard	35983	8459	3814	1175	3510	934	49058	74.0
Semi-Chemical Corrugating	47295	9679	4887	1011	4620	945	60857	63.1
Other Paperboard	31531	11560	5166	2114	4252	1479	49420	69.7
Convtd Paper&Paperbd Products	106591	338196	13332	39573	12466	36457	136046	32.3
Paper Products, Total	92059	307245	10826	33584	9595	30129	109124	20.9
Paperboard Products, Total	14532	30951	2506	5989	2870	6328	26923	113.9
Wet machine Board	1842	1239	312	214	297	197	3639	115.1
Construction Paper & Board	419515	86961	43288	9493	47536	10237	484289	42.0
Notes								
Other: No Weight Avail. ($000)		135346		13627		13202	131868	-3.0
Total Imports Incl. Other($000)		5344649		511105		442469	5336083	-0.2

EXPORTS

							(1)	
Pulpwood, Roundwood (cords)	111692	7475	5378	329	3659	168	56546	-52.0
Pulpwood Chips	2860133	231140	200030	14867	289644	19371	2698250	-13.1
Total All Exports	9872299	4315138	905601	356179	865404	334327	10600490	5.6
Wood Pulp, Total	3394648	1414558	323508	115695	258571	96335	3559608	1.4
Cotton Pulp and Other Pulp	104560	72327	7893	5382	9208	6235	98973	-9.7
Waste and Old Paper	2127050	238934	181355	22715	185841	23061	2330655	9.9
Paper, Board & Products, Total	4246041	2589319	392845	212388	411784	208696	4611254	7.3
Paper, Paperboard, Wet Machine Bd. & Construction Paper & Board	3670413	1754352	346047	147364	367357	148411	4047110	7.4
Paper, Ppbd & Prod ex Cnst&WMB	4187119	2558943	385896	209551	407534	206839	4542663	7.3
Paper & Paperboard, Only	3611491	1723977	339098	144527	363107	146554	3978519	7.4
Paper, Total	840445	679069	72512	51672	73742	50761	801482	-12.4
Newsprint	307657	142964	30525	12633	32290	14249	298580	-10.7
Printing & Writing	246617	239135	15505	14718	16893	15385	200163	-22.8
Uncoated Groundwood	55916	48430	1931	1844	5285	3019	38119	-39.8
Clay Coated Paper	81373	65485	6121	4504	4876	3723	74486	-6.7
Uncoated Free Sheet	70589	75451	4587	5412	4515	5924	60784	-19.5
Other Printing & Writing	38729	49769	2866	2959	2217	2719	26774	-34.3
Total Pkg. & Other Paper	262861	271556	24865	22178	24079	20367	286129	-2.6
Unbleached Kraft	89068	38003	7250	3051	11529	3978	122760	39.2
Other Pkg. & Indust. Paper	173793	233553	17614	19127	12550	16389	163369	-20.6
Tissue	23310	25415	1616	2143	480	761	16610	-38.2
Paperboard, Total	2771046	1044908	268587	92855	289365	95792	3177037	13.8
Solid Wood Pulp	2612568	970814	251369	85677	272551	89936	3021847	13.9
Total Linerboard	1886193	542304	186813	46805	212651	5158.	2255832	20.4
Bleached Kraft Linerboard	67595	26626	11041	4409	9750	3824	121477	104.1
Unbleached Kraft Linerbd	1818599	515677	175773	42396	202901	47767	2134355	17.6
Other Unbleached Kraft	139219	60780	7709	4241	9976	4162	108673	-32.3
Other Bleached Kraft	525733	349615	47719	32616	47883	33494	569257	3.1
Semi-Chemical Corrugating	61422	18116	9127	2015	2040	688	88086	33.3
Recycled Paperboard	158478	74094	15217	7177	16814	5857	155189	12.3
Convtd Paper&Paperbd Products	575628	834966	46798	65024	44427	60285	564144	6.9
Paper Products, Total	315805	591163	25561	46222	24468	43670	306595	-6.2
Paperboard Products, Total	259823	243804	21237	18802	19959	16616	257550	28.4
Wet Machine Board	11089	5939	1557	703	477	330	13364	14.4
Construction Paper & Board E	47833	24437	5392	2134	3773	1528	55227	5.2
Notes								
Other: No Weight Avail. ($000)		8990		536		704	6849	-30.2
Total Exports Incl. Other($000)		4324128		356715		335032	4139928	-4.3

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES

1967 = 100

	81	82	MAY	JUNE	JULY	AUG.	Annual Rate Y-T-D 1982	% Change From Same Period Last Year
Pulp, Paper and Products except Building Grades	270.8	273.2	268.7	269.4	269.9	270.1	269.1	-2.1
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	272.4	275.9	271.7	272.0	272.5	272.7	271.8	-2.1
Total Wood Pulp	397.1	379.1	345.8	346.5	347.5	348.5	345.8	-11.9
Total Paper	279.8	286.3	279.1	279.6	281.7	281.0	279.6	-3.0
Total Paper, exc. Newsprint	271.1	278.3	273.6	274.2	274.8	273.5	273.4	-2.2
Newsprint	307.5	315.8	299.1	299.1	306.3	305.8	300.8	-5.7
Total Paperboard	258.1	254.9	248.9	249.6	249.5	250.4	247.5	-4.3
Total Paper and Paperboard #	273.1	276.5	269.6	270.2	271.6	271.4	269.5	-3.4
Converted Products	258.8	264.4	264.5	264.7	264.5	270.1	265.4	0.4
Waste Paper	175.7	121.1	116.0	116.0	116.0	116.0	116.0	-6.2
All Commodities	293.4	299.3	301.7	302.5	303.2	305.1	301.8	1.0
Industrial Commodities	304.1	312.3	313.8	315.4	316.6	317.8	314.7	1.1

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Continued from Page 2

The 7.9% gain in production of containerboard for domestic use compares to the 6% gain in shipments of fibre boxes reported for this same period. The August level of inventories of containerboard at mills and plants fell 77,000 tons from the July level to 2.41 million tons. This was equivalent to 6.7 days of supply and represented a decline of 175,000 tons since the beginning of this year.

Capital Expenditures

The Department of Commerce recently reported that expenditures for new plant and equipment by paper and allied products companies will total $6.19 billion in 1983, 3.7% above the 1982 total, but 7.9% below the 1981 high. This new estimate represents a 2.7% increase over the earlier estimate and suggests that these expenditures will remain near their first half 1983 average level during the second half of the year.

Continued from Page 10

The 1983 increase in expenditures by paper and allied products companies contrasts with a 1.2% decline expected for total non-durable goods, a 4.8% decline for all manufacturing companies and a 3.1% decline for total non-farm business. In real terms, that is, adjusted for changes in the estimated prices of new plant and equipment, expenditures in 1983 will be somewhat stronger than indicated by the change in the current dollar estimates, reflecting the Department of Commerce's expectation of a small decline in the average prices.

Commerce also reported data on the starts and carryover of expenditures. As of the end of the second quarter of 1983, the carryover by paper and allied products companies amounted to $6.36 billion, about equal to the year-end 1982 level and equivalent to a little more than one-year's expenditures.

Data on capital appropriations and expenditures recently published by The Conference Board also indicate that paper and allied products companies will maintain expenditures on new plant and equipment near current levels for the next two quarters or so, but point to some decline after that. The Board's data, which summarize expenditures and appropriations for the largest firms in the industry, showed that appropriations in 1982 were slightly above expenditures. In the first two quarters of 1983, however, total appropriations (adjusted for cancellations) were 27% below the expenditure total, bringing the backlog from $5.1 billion at the start of that period to $4.6 billion at its close. The backlog was equivalent to more than one-year's expenditures of these large companies, helping to maintain near-term stability in outlays but, based on the relatively low new appropriations, a potential decline in 1984 is likely. However, the strength in paper and paperboard production evident in 1983 may well restore cash flow sufficiently to stimulate an upturn in new appropriations soon and thus forestall the decline.

Continued on Page 12

Continued from Page 11

Raw Materials

Production of wood pulp in the first 7 months of 1983 was at an annual rate of 51.8 million tons, 3.6% ahead of the comparable 1982 rate, but slightly below the rate of production for the full year 1981. Production of total paper grade chemical wood pulp, however, was 4.5% above its comparable 1982 rate and slightly above its 1981 average. Groundwood pulp production was down a bit as was the production of semi-chemical pulp.

The market wood pulp grades showed a stronger trend, with total production up 8.9% in this period and the paper grades of chemical pulp up 7.7%. The paper grades of market pulp normally follow a stronger trend than total wood pulp during the upswing of the business cycle.

Imports of market pulp, largely from Canada, were also strong, rising 17% from their year-earlier level. Although exports were up 8.5%, new supply of chemical paper grade market pulp showed a strong 12% recovery from the comparable year-earlier rate. The average rate for this period matched 1981 average but was still 1.5% below the record-high 1980 rate.

The 1983 gain in shipments of market pulp over its year-earlier rate also reflected changes in pulp inventories at consuming mills: a reduction of 32,000 tons in the first eight months of 1982 compared to a gain of 7,000 tons in the 1983 period.

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

SEPT. 26, 1983

	PRODUCTION (000 TONS)					
	Aug. 83	July 83	Aug. 82	Jan - Aug. 83	Jan - Aug. 82	% Change 83/82
PAPER GRADES	P	R				
Newsprint	458	417	410	3433	3431	0.1
Printing & Writing	1511	1334	1356	11352	10375	9.4
Uncoated Groundwood (s)	128	118	125	978	956	2.3
Coated Paper (s)	503	453	443	3680	3322	10.8
Uncoated Free Sheet Paper (s)	756	649	679	5736	5216	10.0
Thin Paper (s)	28	24	27	223	220	1.5
Cotton Fiber Paper (s)	11	9	10	81	80	1.8
Bleached Bristols (s)	86	81	72	654	581	12.6
Tissue Paper	390	379	383	3128	2935	6.6
Total Pkg & Other Paper	513	425	465	3681	3525	4.4
Unbleached Kraft Packaging & Indl. Converting (s)	348	294	322	2503	2439	2.6
Other Paper *	165	131	143	1178	1086	8.5
TOTAL PAPER	2872	2554	2614	21595	20266	6.6
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1393	1301	1287	10619	9794	8.4
Unbleached Kraft Linerboard	1305	1194	1190	9891	9061	9.2
Other Unbl. Kraft Paperboard	89	107	96	728	733	-0.7
Semichemical Paperboard	406	386	349	3110	2940	5.8
Bleached Paperboard	327	307	317	2593	2514	3.1
Recycled Paperboard	620	569	567	4741	4383	8.2
TOTAL PAPERBOARD	2747	2563	2519	21062	19631	7.3
TOTAL PAPER AND PAPERBOARD	5618	5118	5134	42657	39896	6.9

WOOD PULP (ALL GRADES)	July 83	June 83	July 82	Jan - July 83	Jan - July 82	% Change 83/82
Dissolving & Special Alpha	72	123	56	736	653	12.7
Bleached Sulfite	101	115	94	755	755	0.0
Unbleached Sulfite	21	29	27	183	200	-8.4
Bleached & Semi-Bl. Sulfate	1699	1747	1490	12233	11612	5.3
Unbleached Sulfate	1503	1640	1359	11164	10713	4.2
Semichemical	310	335	300	2225	2240	-0.7
Groundwood and Thermomechanical	407	420	408	2944	3006	-2.1
TOTAL PULP DIVISION DATA	4114	4409	3733	30240	29178	3.6

(s) - Shipments R - Revised E - Estimate
P - Preliminary * - Revised series based on A.P.I. data.

September 28, 1983

	Full Year		INDUSTRY DATA			Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1981	1982	June	July	August		
Total Production (API).......| excluding |...	62282	59480	5386	5118	5618	63885	6.9
Total Seasonally Adjusted....|construction|...			5232	5438	5404	63237	6.9
Imports (including Products).| and wet |..E	7941	7603	793	655	N.A.	8218	8.5
Exports (including Products).| machine |..E	4561	4187	386	408	N.A.	4575	8.9
Apparent Consumption.........| grades |...	65642a	62904b	5839	5886	5754	65880c	7.0
Paper Production % Tonnage Capacity............	92.1e	87.7e	91.4	92.6	92.6	91.0eh	-
Paperboard Production % Tonnage Capacity......	90.6e	81.9e	88.8	93.3	88.7	88.4e	-
			May	June	July		
IMPORTS.....|Including Construction and |.....	8339	8024	746	836	702	8584	8.1
EXPORTS.....| WMB Grades (excl. HPB) |.....	4641	4246	415	393	412	4611	7.3
MARKET WOOD PULP PRODUCTION - Tons (000).........	6210	5732	584	546	485	6368	8.9
TOTAL WOOD PULP PRODUCTION - Tons (000)..(P)....	52041	49367	4520	4409	4114	51840	3.6
WOOD PULP IMPORTS - TONS (000)..................	4087	3856	378	357	327	3889	10.4
WOOD PULP EXPORTS - TONS (000)..................	3678	3385	312	324	259	3580	1.4
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS | excluding |			May	June	July		
Wood Pulp.............|consumption for|.....	50688	48154	4379	4329	3890	50222	3.3
Waste Paper...........|construction & |.....	13875	13525	1221	1205	1128	14146	5.5
TOTAL..........| WMB grades |.....	64573	61679	5600	5534	5118	64368	3.8
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	79747	79039	7025	7186	6801	84518	7.1
EMPLOYMENT (000)			June	July	August		
Paper and Allied Products..........Total......	688.5	662.0	661.9	659.6	664.9	654.7	-1.6
Pulp, Paper and Board Mills........Total.....E	267.3	257.8	254.5	256.3	258.3	253.4	-2.3
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....................	8.60	9.32	9.91	10.08	10.01	9.81	6.9
Pulp, Paper Mills............................E	10.05	10.88	11.86	11.92	11.90	11.53	7.9
Paperboard Mills.............................E	10.23	11.13	12.06	12.33	12.30	11.95	9.6
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1982 Q4	1983 Q1	1983 Q2		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	6.72	5.97	5.69	6.02	6.30	6.19r	3.7
INDEX OF OUTPUT PER MAN-HOUR (1977=100)..........			June	July	August		
|IN PULP, PAPER |...Production Workers..........	106.2	109.5	117.8	118.1	118.1	119.3	9.7
|AND BOARD MILLS|...All Employees..............	107.5	108.3	116.4	116.8	117.0	117.6	9.7
PAPER AND ALLIED PRODUCTS (Million $)			May	June	July		
Industry Shipments (Dept. of Commerce)*........	80251	78982	6818	7126	7132	82708	4.7
Pulp, Paper and Paperboard*..................	35118	33523	2910	3045	3055	35073	3.5
Inventories (End of Period) - Total Industry*.	8841	8607	8347	8326	8387	8387	-2.1
Pulp, Paper and Paperboard*..................	3224	3365	3305	3272	3253	3253	-3.7
			1982 Q4	1983 Q1	1983 Q2		
Sales (Corporations Only, FTC).................	62698	60293	14839	15524	16500	64048	5.2
Earnings (Corporations Only, FTC)	3110	1460	198	441	543	1968	15.2
Depreciation (Corporations Only, FTC)..........	2267	2378	595	641	661	2604	10.2
Net Worth (Corporations Only, FTC).............	26558	26705	26705	26885	26856	26856	-0.2
PRICE INDEXES (Bureau of Labor Stats)1967=100			June	July	August		
Pulp, Paper & Products, ex. Building Grades...	270.8	273.2	269.4	269.9	270.1	268.1	-2.1
Wood Pulp.....................................	387.1	379.1	346.5	347.5	349.5	345.8	-11.9
Waste Paper...................................	175.7	121.1	116.0	116.0	116.0	116.0	-6.2
Paper...	279.8	286.3	279.6	281.7	281.0	279.6	-3.0
Paperboard....................................	258.1	254.9	249.6	249.5	250.4	247.5	-4.3
PAPER DEMAND (INDEXED: 1967=100)			June	July	August		
Total Paper Production *.......................	148.3	145.4	152.6	157.5	158.2	153.5	6.6
Paper New Supply *.............................	137.7	135.1	147.2	145.0	149.8	143.5	7.3
Total End - Use Index *.....................	150.3	149.5	154.7	157.5	158.3	153.4	2.4
Production of Nondurable Goods *...(19%)..	164.7	158.1	167.7	170.0	171.1	164.3	5.2
Disposable Income (Constant $) *...(23%)..	154.3	157.8	162.4	164.2	163.9	161.8	2.8
Total Printing and Publishing *...(58%)..	144.0	144.0	147.4	150.8	151.9	148.5	1.3
Trend Factor	-----	-----	-----	---Not Available---	-----	-----	-----
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *................	137.1	127.6	135.1	141.5	139.0	136.2	7.3
Production for Domestic Use	132.9	122.7	128.5	136.4	133.8	130.4	7.1
Total End - Use Index *.....................	149.3	139.5	146.5	151.3	152.4	145.5	3.5
Production of Consumer Goods *...(60.48%)	147.8	142.7	152.3	155.0	155.9	148.1	4.3
Production of Equipment *...(6.62%)	151.6	139.8	138.4	140.6	141.4	136.9	-3.8
Production of Materials *...(32.89%)	151.5	133.7	143.6	146.7	148.3	140.6	3.6
Trend Factor	-----	-----	-----	---Not Available---	-----	-----	-----
NEWSPRINT MARKETS			May	June	July		
Consumption by Publishers - Tons (000).........	11205	11150	1013	947	902	11206	3.2
Newspaper Pub. and Printing Empl. Total(000)..	415.8	417.5	418.7	422.3	422.6	418.0	-0.0
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.)...........	123182	120751	12594	9776	8867	122381	6.0
WHOLESALERS SALES AND INVENTORIES (Million $)(J)							
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	23603	22776	1960	2036	1875	23393	3.5
Inventories (End of Period)	1971	1885	2062	2069	2057	2057	2.4
FIBRE BOX DATA (Fibre Box Association)			June	July	August		
Fibre Box Shipments (Million square feet)......	246152	235185	22052	19584	22649	248044	6.0
Container'bd Inventory at Mill & Plant(000Tons)	2729	2584	2512	2488	2408	2408	-5.6
RETAIL TRADE (Million $)							
Total Retail Sales *...........................	1047118	1074467	99173	98953	97602	1149515	9.1
Nondurable Goods Stores Sales *..............	731201	753568	66510	66527	66785	784002	4.7
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	150.8	138.6	146.3	148.2	150.5	14[illegible].6	2.5
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	293.4	299.3	302.5	303.2	305.1	301.8	1.0
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	272.4	289.1	298.1	299.3	300.3	296.3	3.2
			May	June	July		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	331.7	344.8	347.2	353.0	358.0	358.0	7.4
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billions).			1982 Q4	1983 Q1	1983 Q2		
G.N.P. or Expenditure - Current $..............	2954.1	3073.0	3109.6	3171.3	3272.0	3221.8	5.8
G.N.P. or Expenditure - 1972 $.................	1513.8	1485.4	1480.7	1490.1	1525.1	1507.6	1.3

lb/capita

	Pap&Papbd	Othr	Totl	Popul(mil)
.a	- 572 +	21 =	593	229.8
.b	- 543 +	15 =	558	232.0
.c	- 573 +	18 =	591	233.6

.E - Last month estimated by API
.e - estimated by API

L - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
J - Census unpublished data; standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter

R - Revised
RS - Revised Series
r - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted